Service Manual

Sec. 1 Operating Instructions

Sec. 2 Service Information

Sec. 3 Disassembly Procedures

Sec. 4 Electrical Adjustment

Sec. 5 Block Diagrams

Sec. 6 Schematic Diagrams

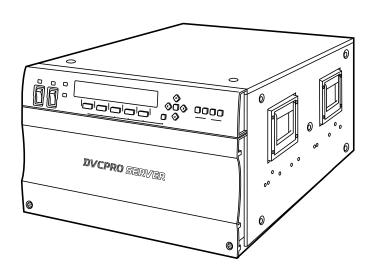
Sec. 7 Circuit Board Diagrams

Sec. 8 Exploded Views & Replacement Parts List



DVCPRO Server

AJ-HDR150E



⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or

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CONTENTS

Specifications	i	3
SEFETY PRE	CATIONS	5
SECTION 1.	OPERATING INSTRUCTIONS	OPE-1
SECTION 2.	SERVICE INFORMATION	INF-1
SECTION 3.	DISASSEMBLY PROCEDURES	DIS-1
SECTION 4.	ELECTRICAL ADJUSTMENT	EAD-1
SECTION 5.	BLOCK DIAGRAMS	BLK-1
SECTION 6.	SCHEMATIC DIAGRAMS	SCM001
SECTION 7.	CIRCUIT BOARD DIAGRAMS	CBA-1
SECTION 8.	EXPLODED VIEWS & REPLACEMENT PARTS LIST	PAT-1

Specifications

[GENERAL]

Power supply: 220 V-230 V ±10% AC, 50 - 60 Hz

Power consumption: 2.1 A

Ambient operating temperature:

5°C to 35°C

Ambient operating humidity:

10% to 80% (no condensation)

Dimensions (W \times H \times D):

 $424 \times 265 \times 637 \text{ mm}$

Weight:

41.6 kg

With all optional devices installed: 48 kg

[PC component]

CPU:

Celeron, 433 MHz

OS:

Windows NT 4.0 (English version)

Memory:

128 MB

System HDD:

9 GB \times 2 units

Data HDD (Optional):

36 GB ×9 units

Recording time:

20 hours (calculated at DVCPRO 25 Mbps)

Recording format:

DVCPRO 25 Mbps, DVCPRO 50 Mbps,

DVCPRO P

Recording content:

Digital video, Time code (subcode domain), Digital

audio

CLIP count:

Maximum 5000

CLIP length:

1 second minimum

20 hours maximum (calculated at DVCPRO 25

Mbps)

[Control Component]

RS-422A:

4 channel (D-SUB, 9 pin)

RS-422A protocol:

Odetics/Louth

Playback response time:

At STBY ON:

0.5 sec or less (CUE UP completed)

At STBY OFF:

2 sec or less (prior to CUE UP)

RS-232C:

1 channel (for monitor, maintenance)

Alarms:

Fan alarm, HDD alarm, system alarm

Fibre Channel:

One port each for HOST and RAID

Specifications

[Option]

■ VIDEO (calculated at DVCPRO 25 Mbps)

Digital

Sampling frequencies:

Y: 13.5 MHz, P_B/P_R: 3.375 MHz

Quantizing:

8 bits

Analog composite OUT

Video band:

Y: 30 Hz to 4.5 MHz (±1 dB)

Differential gain:

Less than 6%

Differential phase:

Less than 4.5 degrees

Y/C delay:

Less than 20 ns

K factor:

Less than 2%

■ AUDIO (calculated at DVCPRO 25 Mbps)

Digital

Sampling frequencies:

48 kHz

Quantizing:

16 bits

Analog OUT

Frequency response:

20 Hz to 20 kHz (+1 dB, -2dB)

Dynamic range:

More than 80 dB

(1 kHz, "A" weighted)

Distortion:

Less than 0.15%

(1 kHz, reference level)

Crosstalk:

Less than -74 dB

Headroom:

18 dB

SAFETY PRECAUTIONS

GENERAL GUIDELINES

- When servicing, observe the original lead dress. If a short circuit is found, replace all part which have been over-heated or damaged by the short circuit.
- After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
- After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

- Unplug the AC cord and connect a jumper between the two prongs on the plug.
- Measure the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. The resistance value must be more than 5M.

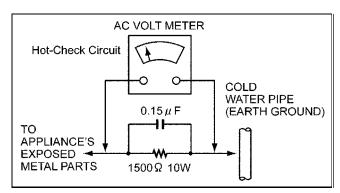


Figure1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

- Plug the AC cord directly into the AC outlet.
 Do not use an isolation transformer for this check.
- 2. Connect a 1.5k , 10W resistor, in parallel with a 0.15 F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.
- 3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.15 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 0.1 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ED) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
 - Alternatively, obtain and wear a commercially available discharging wrist trap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as alminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- Use only a grounded tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (most replacement ES devices are package with leads electrically shorted together by conductive foam, alminum foil or comparable conductive material).
- Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
 - CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
- 8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device).

Caution for AC Mains Lead

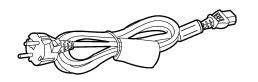
FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This product is equipped with 2 types of AC mains cable. One is for continental Europe, etc. and the other one is only for U.K.

Appropriate mains cable must be used in each local area, since the other type of mains cable is not suitable.

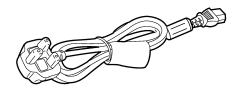
FOR CONTINENTAL EUROPE, ETC.

Not to be used in the U.K.



FOR U.K. ONLY

If the plug supplied is not suitable for your socket outlet, it should be cut off and appropriate one fitted.



FOR U.K. ONLY

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark \circledast or the BSI mark \heartsuit on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured

in accordance with the following code:

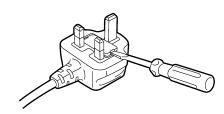
Green-and-Yellow: Earth
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

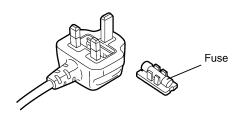
- The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the Earth symbol \perp or coloured GREEN or GREEN-AND-YELLOW.
- The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

How to replace the fuse

1. Open the fuse compartment with a screwdriver.

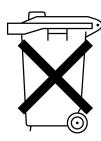


2. Replace the fuse.



Attention/Attentie

- This apparatus contains a lithium battery for memory back-up.
- For the removal of the battery at the moment of the disposal at the end of the service life please consult your dealer.
- Do not throw away the battery. Instead, hand it in as hazardous waste.
- Dit apparaat bevat een lithiumbatterij voor memory back-up.
- Raadpleeg uw leverancier over de verwijdering van de batterij op het moment dat u het apparaat bij einde levensduur afdankt.
- Gooi de batterij niet weg, maar lever hem in als KCA.



IMPORTANT

"Unauthorized recording of copyrighted television programs, video tapes and other materials may infringe the right of copyright owners and be contrary to copyright laws."

Operating precaution

Operation near any appliance which generates strong magnetic fields may give rise to noise in the video and audio signals. If this should be the case, deal with the situation by, for instance, moving the source of the magnetic fields away from the unit before operation.

■ THIS APPARATUS MUST BE EARTHED

To ensure safe operation the three-pin plug must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring.

Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician.

■ DO NOT REMOVE PANEL COVER BY UNSCREWING.

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

WARNING:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, KEEP THIS EQUIPMENT AWAY FROM ALL LIQUIDS-USE AND STORE ONLY IN LOCATIONS WHICH ARE NOT EXPOSED TO THE RISK OF DRIPPING OR SPLASHING LIQUIDS, AND DO NOT PLACE ANY LIQUID CONTAINERS ON TOP OF THE EQUIPMENT.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER CHANGE OF SWITCH SETTING INSIDE THE UNIT TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER MOUNTING OF THE OPTIONAL INTERFACE BOARD TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, REFER INSTALLATION OF HARD-DISK DRIVE TO QUALIFIED SERVICE PERSONNEL.

HARD-DISK DRIVE MUST BE BEARING THE CE-MARKING.

CAUTION:

Do not install or place this unit in a bookcase, built-in cabinet or any other confined space in order to maintain adequate ventilation. Ensure that curtains and any other materials do not obstruct the ventilation to prevent risk of electric shock or fire hazard due to overheating.

CAUTION:

- ◆ Keep the temperature inside the rack to between 5°C to 35°C.
- Bolt the rack securely to the floor so that it will not topple over when this unit is drawn out.

Panasonic

SECTION 1

OPERATING INSTRUCTIONS

CONTENTS

nandling Precautions	ס
Features	7
System Configuration	8
Parts and Their Functions	9
Front panel	9
Rear panel	11
Rack Mounting	13
Connections	14
1. Analog out	14
2. SDTI	15
3. SDI	16
Starting Up and Closing Down the	
System	17
System Start Up	17
System Shutdown/Power Off	17
Display Panel	18
Display panel screen flowchart	18
Main Screen	19
Menu Selection Screen	21
Shutdown Setting Screen	22
Shutdown Screen	22
Channel Setting Screen	22
Parameter Setting Screen	23
Version Display Screen	25
Error Display Screen	25
CLIP Display Screen	25

CLIP Erase Screen	. 26
CLIP Rename Screen	. 26
Simplified Manual Operation Screen	. 27
CLIP Load Screen	. 29
CLIP Creation Screen	. 29
HDD Operation Select Screen	. 30
HDD Error Display Screen	. 30
HDD Status Display Screen	. 30
HDD Rebuilding Selection Screen	. 31
Error Log Display Screen	. 32
Error Log Detailed Display Screen	. 32
Optional Board Installation Method	. 33
1. Analog out board (AJ-YA7200P)	. 34
2. SDTI I/O board (AJ-YAC7000P)	. 35
3. SDI I/O board (AJ-YA7100P)	. 36
Optional HDD	. 37
The Example of an Extended System	. 38
Froubleshooting	. 39
Connector Signals	. 40
Specifications	. 42

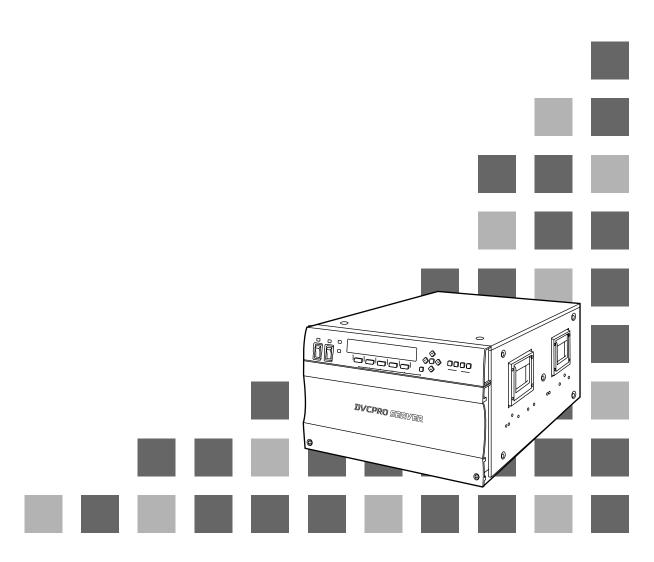
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DVCPRO Server

AJ-MDR150_E

Operating Instructions



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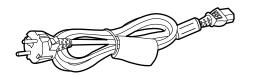
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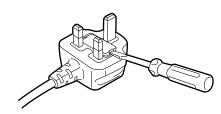
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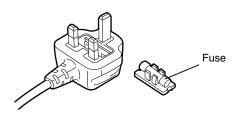
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CAUTION:

- Keep the temperature inside the rack to between 5°C to 35°C.
- Bolt the rack securely to the floor so that it will not topple over when this unit is drawn out.

Contents

Handling Precautions	6
Features	7
System Configuration	8
Parts and Their Functions	9
Front panel	
Rear panel	11
Rack Mounting	13
Connections	14
1. Analog out	14
2. SDTI	15
3. SDI	16
Starting Up and Closing Down the	
System	17
System Start Up	
System Shutdown/Power Off	
Display Panel	18
Display panel screen flowchart	
Main Screen	
Menu Selection Screen	
Shutdown Setting Screen	
Shutdown Screen	
Channel Setting Screen	
Parameter Setting Screen	
Version Display Screen	
Error Display Screen	
CLIP Display Screen	
CLIP Rename Screen	
Simplified Manual Operation Screen	
CLIP Load Screen	
CLIP Creation Screen	
HDD Operation Select Screen	
HDD Error Display Screen	
HDD Status Display Screen	
HDD Rebuilding Selection Screen	
Error Log Display Screen	
Error Log Detailed Display Screen	32

Optional Board Installation Method 33
1. Analog out board (AJ-YA7200P) 34
2. SDTI I/O board (AJ-YAC7000P) 35
3. SDI I/O board (AJ-YA7100P)
Optional HDD37
The Example of an Extended System 38
Troubleshooting39
Connector Signals40
Specifications 42

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- Pentium is a registered trademark of Intel Corporation.

All other names of companies and products are the trademarks or registered trademarks of the companies concerned.

Handling Precautions

- This unit has been designed with foremost emphasis placed on its reliability as a transmission server. However, to prevent accidents in transmission due to breakdown or obstructions, it is requested that the server be used with a system compiled in duplicate.
- By having a newly-developed RAID device built in, the system is designed for continuous operation even if one HDD (hard disk drive) unit breaks down. However, to avoid secondary complications, if one HDD unit breaks down, terminate operation immediately and request servicing from your dealer.
- The system is designed so that a faulty HDD can be replaced even while continuity is maintained, but normal operation thereafter cannot be guaranteed. Do not replace a HDD during recording or playback.
- The system is designed to facilitate data restoration by replacing a faulty HDD with a new one, but backup copies of data on recording tape, etc., should be made so that important contents recorded on the HDD are not lost due to equipment problems, etc.
 - Faulty equipment can be serviced by your dealer but lost contents cannot be restored.
- Do not execute recording or playback while data is being rebuilt.
 - If recording or playback is not being executed, the system disk (9GB) can be rebuilt in approximately 10 minutes and data disks (36GB) can be rebuilt in about 1 hour.
- Do not use this unit in a vehicle.
 This may cause injury or result in problems with the hard disk drive or data.
- It takes about 3 seconds to switch to REC mode when the REC command is sent in REC CUEUP mode.
- When an HDD is loaded onto this system, extra weight is added to the front panel side. Please note this fact and exercise due caution when moving the system.
- Whenever a problem occurs with POWER A or POWER B in the power supply unit, be sure to always turn the relevant power supply switch to OFF.

■ Precautions for video and audio input/output operations

- Use the AJ-D780 when using the SDTI 4× speed for input/output from a VTR to the server.
- When using the SDTI 1× speed for input/output from a VTR to the server, use a VTR mounted with SDTI baseboard such as AJ-D850, AJ-D950 or AJ-D960.

The AJ-D780 does not have a SDTI $1\times$ speed function.

 When using analog or SDI input/output, signals buried in the video blanking area (e.g., signals for letter broadcasting) cannot be recorded or played back

Recording and playback are possible when a SDTI I/O board is used.

Features

DVCPRO compression

This digital video server incorporates the DVCPRO format that, in the development of digital technology for broadcasting applications, has won critical acclaim for its high picture and sound quality.

High-speed transmission made possible by an SDTI interface

The existing SDI (SMPTE259M-C) router and cable can be used without modification. Further, by employing an SDTI interface capable of transmission at $4\times$ speed (case of DVCPRO 25 Mbps), it is possible to upload or download image data to and from a $4\times$ speed VTR (AJ-D780).

Multiple channels are also possible if the unit is used as the cache for a VTR system.

With an SDTI interface, input/output of DVCPRO format signals (DVCPRO 25M/50M/P) is possible.

4 channel input/output with 20-hour recording capacity

This 4-channel server can make input/output changes using commands so that it is easy to manage multiple channels and simple to construct time-difference systems, etc. The running costs of systems requiring repeat playback can be pared back since there is none of the deterioration found with tapes.

By using a 36GB HDD (optional), approximately 20 hours of recording capacity is obtained.

(When 8 units of HDD for DVCPRO 25 Mbps/data are used.)

High reliability with built-in RAID

Thanks to built-in RAID, the system has been configured with system disk at RAID 1, and data disk at RAID 3, so operation can be continued even if one HDD unit malfunctions. An HDD system of high reliability is thus achieved.

I/O and Strage capacities can be expanded by Fibre Channel connection

Expanding input/output channels and strage capacity is easy because I/O and Strage are connected via Fibre Channel.

VTR-like server with RS-422A control

Since the server controls each channel using an RS-422A serial interface, it can provide control using images that appear to involve 4 VTRs.

Odetics and Louth protocols supported

This server supports both the Odetics and Louth automation protocols used in broadcast stations so that it can easily be connected as a unit to be subject to the automation control inside a broadcast station.

Emergency operation possible with front panel operation

Front panel operation makes it possible to control selection of recorded materials during an emergency and playback of the same.

When the alarm activates, alarm contents are displayed so that restorative measures can be taken in response to messages.

Error detection functions

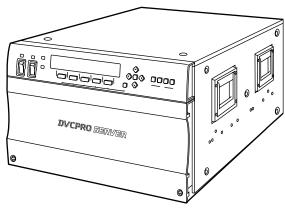
The display panel comes with functions for detecting and displaying fan stoppages, hard disk drive errors and system errors so that warnings can be issued in the unlikely event of a breakdown.

Optional SDTI, analog and SDI input/output

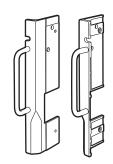
An SDTI I/O board capable of $4\times$ speed operation, an analog out board that can be monitored, and a SDI I/O board are available as audio/video input/output options so the board that matches the interfaces used in the broadcast station can be selected.

Redundant power supply to avoid problems

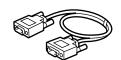
The unit has dual power supply system to avoid any problems with the power supply.



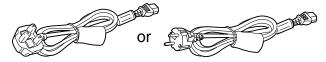
DVCPRO server



6U rack mount adapter



FC (Fibre Channel) cable



Power cord (\times 2)

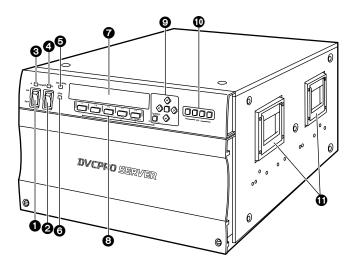


HDD mounting screws (\times 36)



Operating Instructions (what you are now reading)

Front panel



• Power switch [POWER A]

This switch is used to turn the unit's [POWER A] supply ON or OFF.

Before turning the power off, execute SHUTDOWN from the display panel and wait for the display to read: "It is now safe to turn off."

Turning the power off during operation may destroy data or cause the hard disk drive to fail.

Power switch [POWER B]

This switch is used to turn the unit's [POWER B] supply ON or OFF.

The unit has dual power supply system to avoid any problems with the power supply.

If a problem arises with either POWER A or POWER B, the unit operates with the other power supply.

Power LED [POWER A]

This lights when power is supplied to POWER A. It goes off when the power switches of both POWER A and POWER B are at OFF.

Green LED: No anomalies

Red LED:

- There is something wrong with the output voltage, cooling fan or power supply module temperature.
- While the POWER B switch is at ON, the POWER A switch has been turned to OFF or the POWER A supply unit has not been installed.

♠ Power LED [POWER B]

This lights when power is supplied to POWER B. It goes off when the power switches of both POWER A and POWER B are at OFF.

Green LED: No anomalies

Red LED:

- There is something wrong with the output voltage, cooling fan or power supply module temperature.
- While the POWER A switch is at ON, the POWER B switch has been turned to OFF or the POWER B supply unit has not been installed.

6 WARNING LED [WARNING] **During TO SILENT:**

The lamp turns orange and blinks whenever something goes wrong with the unit.

In the event of a slight error, this lamp goes out after the error log is checked.

In the event of a gross error, the lamp lights in red.

During TO ATTENTION:

The lamp turns orange and blinks whenever something goes wrong with the unit. The error display menu appears on the display panel and at the same time, the alarm sounds.

To stop the alarm, press the [F3] button.

In the event of a gross error, the lamp lights in red.

(3) HDD LED [HDD]

This lamp blinks when a built-in HDD has been accessed. It blinks green when all the built-in HDDs are operating normally, and lights in orange during rebuilding. In the event of a problem with any one of the HDD units (including those not yet inserted), the lamp blinks red to give notice.

Display panel

Displays the status of channel selected with channel select button, along with information on the

The display menu is changed by using function button (8) or cursor button (9).

§ Function buttons [F1~F5]

Used when executing any of the functions shown in the lower register of the display panel.

The operations allocated to each function on the menu are carried out by pressing these buttons.

Front panel

② Cursor buttons $[\land, \lor, <, >, SET, CANCEL]$

[∧] button:

Becomes effective when the **A** mark is shown on the display panel.

Forwarding of CLIP, etc., character selection and separate function menu are displayed.

[V] button:

Becomes effective when the ▼ mark is shown on the display panel.

Forwarding of CLIP, etc, character selection and separate function menu are displayed.

[<] button:

Becomes effective when the ◀ mark is shown on the display panel or the cursor (_) is present. Moves the cursor one space to the left.

[>] button:

Becomes effective when the mark is shown on the display panel or the cursor is present. Moves the cursor one space to the right.

[SET] button:

Becomes effective when "SET or CANCEL" is shown on the display panel. Pressing the SET button establishes selection or setting and designated operations take place.

[CANCEL] button:

Becomes effective when "SET or CANCEL" is shown on the display panel. Pressing the CANCEL button erases selection or setting, and the previous screen is restored without anything taking place.

① Channel buttons [CH1~CH4]

Designates the channel shown on the display panel. The button of the selected channel lights and the selected channel status is shown on the display.

Channel 1 is selected for power supply start up.

Unit internal settings, HDD status, error status and other conditions for which no channel is designated can be viewed on the display irrespective of the channel selected.

Handle

Combining the CANCEL button with function buttons

Targeted operation takes place by pressing the function button while keeping the CANCEL button depressed.

Effective only on main menu.

Processes other than LOCAL/REMOTE changeover are effective only in local mode.

[CANCEL]+[F1] (RECUE):

Re-cues clip currently being loaded.

[CANCEL]+[F2] (EMR PLAY):

Executes emergency playback.

When the EMR-OUT1 clip is present, it is loaded and playback occurs repeatedly. When that clip is absent, playback of the clip currently being loaded begins from the current stop position, and after playback to the end position, return is made to the clip head position and playback is repeated.

[CANCEL]+[F3] (REMOTE/LOCAL):

Switches the channel currently shown on the display between remote mode and local mode. Switch is made between REMOTE and LOCAL each time [CANCEL] + [F3] is pressed.

REMOTE:

The unit is controlled from an external controller. Operations cannot be performed with the front panel.

LOCAL:

The unit is controlled from the front panel. Operations cannot be performed with the external controller.

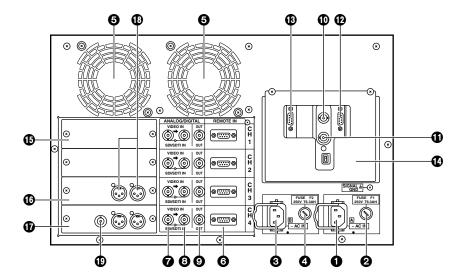
[CANCEL]+[F4] (TC/CTL):

Displays the time code mode. Each time the button is pressed, switching occurs as follows: TC ♦ CTL1 ♦ CTL2 ♦ TC.

[CANCEL]+[F5] (CTL RESET):

When the [CANCEL] + [F5] button is pressed at CTL1, the time code is reset to 00:00:00:00.

Rear panel



● AC power socket [~AC IN]

This power socket is for [POWER A]. Connect the power cord (supplied) to this socket.

2 Fuse holder 1 [FUSE F1]

This fuse holder is for [POWER A]. Contains a 250 V 6.3 A fuse.

③ AC power socket [~ AC IN]

This power socket is for [POWER B]. Connect the power cord (supplied) to this socket.

4 Fuse holder 1 [FUSE F2]

This fuse holder is for [POWER B]. Contains a 250 V 6.3 A fuse.

Heat dissipating fan

Fan to keep the internal temperature from rising.

16 RS-422A connectors [REMOTE IN]

RS-422A connectors for controlling each of the server's channels.

⑦ Video signal input connector [VIDEO IN, SDI/SDTI IN]

Video signal input connectors for each of the server's channels. Used for SDI and SDTI signals. During SDI and SDTI input the embedded audio signals are supplied to these connectors.

3 VIDEO through/buffer output connector

Video signal through (analog)/buffer (SDTI/SDI) output connectors for each unit channel.

Video output connector [OUT]

Video signal output connectors for each of the server's channels.

During SDI and SDTI signals output the embedded audio signals are output from these connectors.

• Analog reference video signal input connector [REF IN]

The analog reference video signal is input to this connector.

A stable black-burst signal from an external sync signal generator is also input to this connector.

Analog reference video signal through output connector

Pribre Channel connector [RAID]

Fibre Channel connector for RAID.

(B) Fibre Channel connector [HOST]

Fibre Channel connector for HOST.

Connects FC cable in the same package to Fibre Channel connector for RAID.

Connector cover

This cover is to avoid connections which are not necessary for normal operation.

As a shock watcher is attached to the cover to detect any shocks, the cover should only be removed for maintenance.

Parts and Their Functions

The following panels change depending on their combination.

(packed with optional board)

Nothing is connected to the SDTI panel.

(Analog out panel (packed with optional board)

This is provided with analog audio signal output connectors.

SDI panel (packed with optional board)

This is provided with analog video signal output and analog audio signal output connectors.

(1) Analog audio signal output connectors

Analog video signal output connector

Three optional boards are available.

- 1. Analog out board (AJ-YA7200P)
- 2. SDTI I/O board (AJ-YAC7000P)
- 3. SDI I/O board (AJ-YA7100P)

(The analog out board is required for the SDI I/O board.)

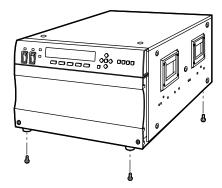
The above three boards can be installed for any or all of the four channels.

Consult your dealer for details on setting and installing the optional boards.

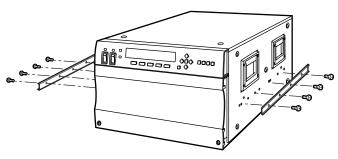
Rack Mounting

Using the rack-mounting adapters provided, the unit can be mounted in a 19-inch standard rack. The following slide rails and brackets are recommended for mounting.

- Slide rails (CC3001-99-0191), brackets (B-308): made by CHASIS TRAK For details, consult your dealer.
- 1. Remove the four feet from the bottom of the unit.
- Take care to safeguard the unit from vibration and impact.



2. Attach the inner members of the slide rails to the unit.

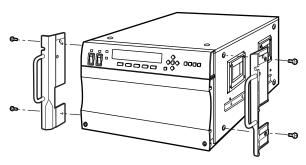


- There is a limit to the length of the screws which can be used for rack mounting.
 - Use the accessory screws (M4 \times 10) for the slide rails.
 - If any of the accessory screws are lost or misplaced, use replacement screws that are less than 10 mm long.
- Ensure the inner members are screwed in place at the 4 locations on the left and right.
- 3. Attach the outer members of the slide rails and brackets to the rack.

<Note>

Check that the height at the left and right is the same.

4. Attach the rack-mounting adapters to the unit.

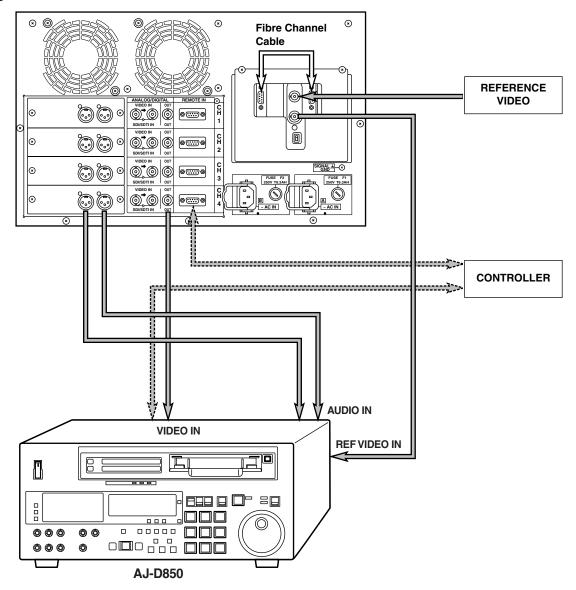


- Use the mounting screws provided with the rackmounting adapters to attach these adapters.
- Ensure the rack-mounting adapters are screwed in place at the 2 locations on the left and right.
- 5. Release the inner member stoppers, and install the unit in the rack. Once it has been installed, check that it moves smoothly.
- Keep the temperature inside the rack to between 5°C to 35°C.
- Bolt the rack securely to the floor so that it will not topple over when this unit is drawn out.
- When an HDD is installed, the unit becomes heavier on the front panel side, so be careful when removing the unit.
- Do not move the unit while there is electrical flow, as this could cause damage to the HDD or data.

Connections

1. Analog out

When all the connections have been made to the analog out board



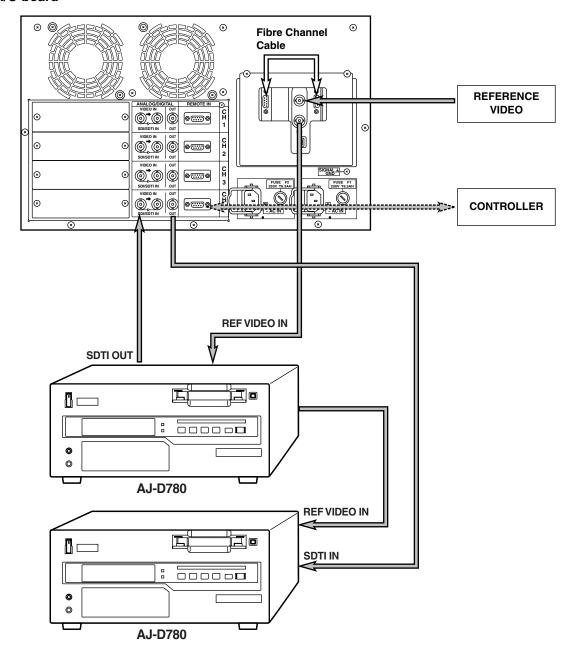
<Note>

No sound will be heard when a tape is played back at less than normal $(1 \times)$ speed with this unit.

Connections

2. SDTI

When all the connections have been made to the SDTI I/O board



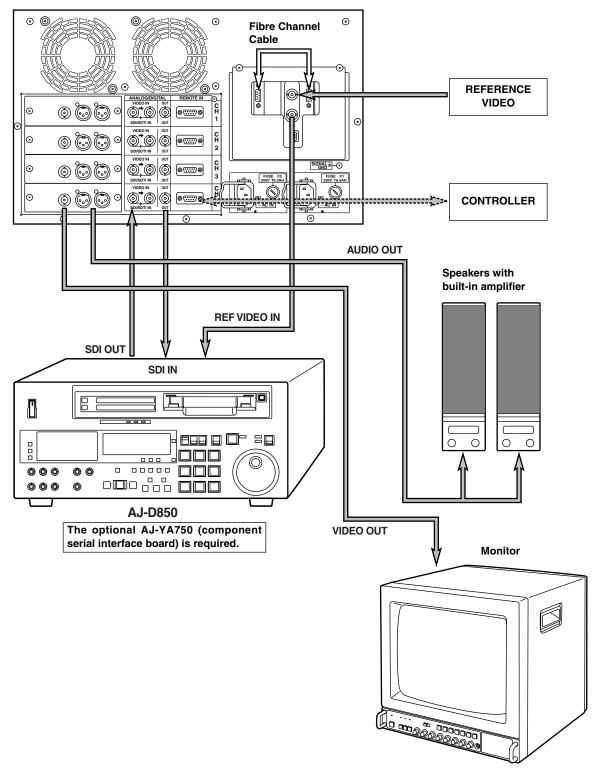
<Note>

No sound will be heard when a tape is played back at less than normal $(1 \times)$ speed with this unit.

Connections

3. SDI

When all the connections have been made to the SDI I/O board



<Note>

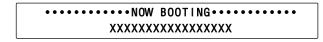
No sound will be heard when a tape is played back at less than normal $(1 \times)$ speed with this unit.

Starting Up and Closing Down the System

■ System Start Up

Follow the steps outlined below to start up the system.

- 1. Install the optional board. (See page 32.)
- 2. Install the HDD for data. (See page 37.)
- 3. Connect the FC cable between the Fibre Channel connectors [RAID] and [HOST].
- Connect power cord and signal line.
 Connect the power cord to AC power socket for the power supply unit installed.
- Turn the POWER switch on the front panel to ON. When the power switch is set to ON, the power supply LED above the switch lights.
- Startup is completed when the channel status is shown on the front panel display.
 Check the setting of each channel.



CH1 CLIP0001 00:00:00:00 (CTL1) *REW

SDTI I/O LOCAL F5:MENU▼

Never turn off the power supply during startup. Otherwise internal data might be destroyed.

■ System Shutdown/Power Off

Follow the steps outlined below to shut down the system and turn off the power. (See page 22.)

1. Refer to the display panel menu flowchart to display the final setting menu.

SELECT: [SERVER SHUTDOWN ♦]
SET or CANCEL

Press cursor button $[\land]$ or $[\lor]$, select SERVER SHUTDOWN, and press the [SET] button.

If the [SET] button is now pressed, the [SERVER SHUTDOWN OK?] screen for confirming whether the system is to be shut down appears.

If the system is not to be shut down, press the [F5] button (NO).

To go ahead with the shutting down of the system, press the [F1] button (YES).

<Note>

If five or more seconds are allowed to elapse after the screen for confirming whether the system is to be shut down appeared, operation will return to the original shutdown settings screen.

SHUTDOWN Wait a moment, please

<Wait a moment, please> is shown on the display.

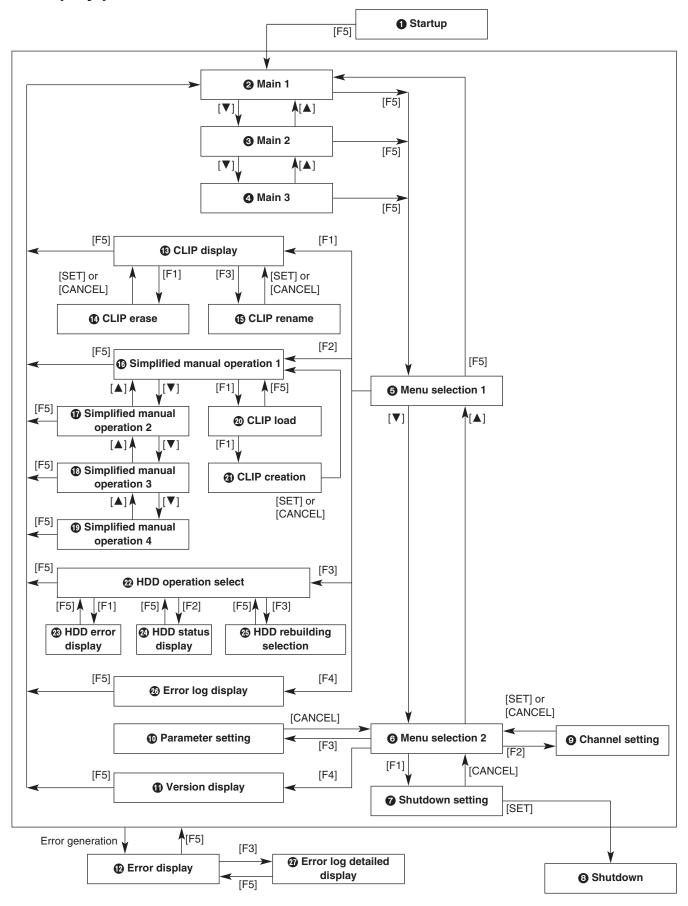
SHUTDOWN It is now safe to turn off

Confirm that the display has changed from <Wait a moment, please> to <It is now safe to turn off>, then turn the power switch to OFF.

Never turn off the power supply while the unit is running.

Otherwise internal data might be destroyed.

■ Display panel screen flowchart



Display Panel

■ Main Screen

Displays the status of the channel selected with the channel button.

The main screen has 3 patterns, and its display can be switched by cursor button $[\land]$ or $[\lor]$.

After moving to a screen other than main screen, the main screen returns to pattern 1.

Function buttons using the [CANCEL] button can only be operated on the main screen alone.

(On the main screen, operation can be implemented in any pattern.)

Main Screen Pattern 1



Main Screen Pattern 2

1	2	3	4	(5)	11)
CH1	CL1P0001	00:00:00:00	(CTL1)	REW	A
25M	x1	LOCAL		F5:MEN	NU▼
(12)		(8)		9	(10)

Main Screen Pattern 3

1	2	3	4	(5)	11)
CH1	CL1P0001	00:00:00:00	(CTL1)	REW	A
12H	32M/24H00I	M LOCAL		F5:MEN	U
13	(14)	8		9	

Display common to all 3 patterns

1) Selected channel number

The number of the channel displaying current status is shown.

When the power is engaged, channel 1 is shown.

② Selected CLIP

The CLIP loaded in the channel currently on display is shown.

If CLIP is not loaded, "DEFAULT" is shown.

③ Counter display

TC and CTL counter values are shown.

(With drop frame, [.] is shown between seconds and frames.)

At CTL1, reset to (00:00:00:00) can be made by pressing the [CANCEL] + [F5] button.

4 Display of time code mode

The time code mode shown by "3 Counter display" is displayed.

Each time the [F4]+[CANCEL] button is depressed, change is made as TC → CTL1 → CTL2 ... and "③ Counter display" is changed simultaneously.

Simplified operational status display

The operational status of the channel currently displayed is shown.

EJECT: CLIP is not loaded.

STOP: Stop status

PLAY: Playback in progress
REC: Recording in progress
REW: Rewinding in progress
FF: Fast forwarding in progress

SHTL: Shuttle mode JOG: JOG mode VAR: Variable mode

L-PLAY: Loop playback in progress L-REC: Loop recording in progress

At the start of operation, the status of channel 1 is shown.

® REMOTE/LOCAL display

Remote mode/local mode of the channel currently displayed is shown.

Each time the [CANCEL] + [F3] button is pressed, change is made between REMOTE and LOCAL.

During LOCAL, the local mark (*) lights at the \bigcirc -2 position.

REMOTE: The main unit is controlled from external controller. Operations from the simplified manual operations screen are not acknowledged.

LOCAL: The main unit is controlled from the front panel. Operations from the external controller are not acknowledged.

9F5: MENU

By pressing the function [F5] button, the menu select screen is shown in the lower register of the display.

Display Panel

Main Screen Pattern 1

6 Board type display

Shown is the type of input/output board corresponding to the channel currently displayed.

NO BOARD: Board is not inserted.

SDTI I/O: SDTI input/output board
ANALOG OUT: Analog output board
SDI I/O: SDI input/output board

10 Next pattern display

Shows that there is a screen pattern to display. When cursor button $[\lor]$ is pressed, main screen pattern 2 is displayed.

Main Screen Pattern 2

10 Next pattern display

Shows that there is a screen pattern to display. When cursor button $[\lor]$ is pressed, main screen pattern 3 is displayed.

11 Previous pattern display

Shows that there is a screen pattern to display. When cursor button $[\land]$ is pressed, main menu pattern 1 is displayed.

12) Transmission rate and speed display

Shows the transmission rate and speed of the channel currently displayed.

25M: 25Mbps 50M: 50Mbps x1: $1 \times$ speed x2: $2 \times$ speed x4: $4 \times$ speed

Main Screen Pattern 3

11) Previous pattern display

Shows that there is a screen pattern to display. When cursor button $[\land]$ is pressed, main screen pattern 2 is displayed.

(13) Residual capacity display

Shows the remaining time to the last minute that recording can be done on the main unit. (Conversion by DVCPRO 25Mbps)

(4) Total capacity display

Shows the total time to the last minute that recording can be done on the main unit. (Conversion by DVCPRO 25Mbps)

■ Menu Selection Screen

This is the screen for selecting each type of menu. Menus are displayed in the lower register of the main screen.

Each screen can be called up by selecting a function button.

Adjacent patterns can be shown by using cursor button $[\land]$ or $[\lor]$.

Menu Selection Screen Pattern 1



Menu Selection Screen Pattern 2

1	2		3	4	(5)	12
CH1	CLIP	0001	00:00:00	:00 (CTL	1) REW	A
F1:1	END	F2:CH	F3:C0	NF F4:VE	R. F5:MA	IN
11)		14)	(15)	16	10	

Displays common to the 2 patterns

The contents from ① to ⑤ are the same as for the main screen.

10 [F5] MAIN

When the [F5] button is pressed, main screen pattern 1 is restored.

12) Previous pattern display

Shows that there is a screen pattern to display. When cursor button $[\land]$ is pressed, the previous screen pattern is displayed.

Example:

When currently at pattern 2, the change is from pattern 2 to pattern 1.

(13) Next pattern display

Shows that there is a screen pattern to display. When cursor button $[\lor]$ is pressed, the next screen pattern is displayed.

Example:

When currently at pattern 1, the change is from pattern 1 to pattern 2.

Menu Selection Screen Pattern 1

@[F1] CLIP

When the [F1] button is pressed, the CLIP display screen is shown.

See the CLIP display screen for details.

⑦[F2] MANU

When the [F2] button is pressed, the simplified manual operation screen is shown.

See the simplified manual operation screen for details.

<Note>

When "Front Panel Operation" has been set to "Lock" by the parameter setting, the following message appears, and manual operation selection is not acknowledged.

YOU CAN'T USE THIS.

OK:<F5>

®[F3] HDD

When the [F3] button is pressed, the HDD operation select screen is shown.

See the HDD operation select screen for details.

9 [F4] LOG

When the [F4] button is pressed, the error log display screen is shown.

See the error log display screen for details.

Menu Selection Screen Pattern 2

(1) [F1] END

When the [F1] button is pressed, the final settings screen is shown.

See the final setting screen for details.

(14) [F2] CH

When the [F2] button is pressed, the channel setting screen is shown.

See the channel setting screen for details.

<Note>

When "Front Panel Operation" has been set to "Lock" by the parameter setting, the following message appears, and manual operation selection is not acknowledged.

YOU CAN'T USE THIS.

OK:<F5>

(5) [F3] CONF

When the [F3] button is pressed, the parameter setting screen is shown.

See the parameter setting menu for details.

(16) [F4] VER.

When the [F4] button is pressed, the version display screen is shown.

See the version display menu for details.

■ Shutdown Settings Screen

Selects the method of shutting down the unit.

①
SELECT: [SERVER SHUTDOWN ♦]
SET or CANCEL

The method of shutting down the unit is selected with cursor button $[\land]$ or $[\lor]$.

Each time cursor button [∧] or [∨] is pressed, change is made among SERVER SHUTDOWN/SERVER REBOOT/FILE SYSTEM INIT.

1) Shutdown method display

SERVER SHUTDOWN:

Preparations are made to shut down the unit power supply.

SERVER REBOOT:

The unit is restarted.

FILE SYSTEM INIT:

The main unit is restarted after the file system has been initialized.

<Note>

Since initializing the file system will cause all the material clips to be erased, be absolutely sure to confirm that it is acceptable to initialize the system before proceeding.

When the [CANCEL] button is pressed, menu selection screen pattern 2 is restored.

If the [SET] button is pressed, the following screens for confirming whether the system is to be shut down appear:

[SERVER SHUTDOWN OK?] [SERVER REBOOT OK?] [FILE SYSTEM INIT OK?]

If the system is not to be shut down, press the [F5] button (NO).

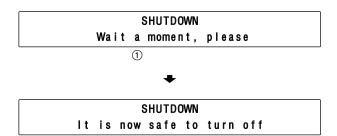
To go ahead with the shutting down of the system, press the [F1] button (YES). The shutdown screen will then appear.

<Note>

If five or more seconds are allowed to elapse after the screen for confirming whether the system is to be shut down appeared, operation will return to the original shutdown settings screen.

■ Shutdown Screen

The main unit is shut down by the shutdown method selected with the shutdown setting screen.



1) Progress status display

<Wait a moment, please>:

Currently processing

<It is now safe to turn off>:

Processing has been completed.

<Note>

Turn off the power only after < It is now safe to turn off> has been displayed.

■ Channel Setting Screen

Sets the transmission rate and speed for each channel.

The location of change is moved by cursor button [<] or [>].

The settings are changed by cursor button $[\land]$ or $[\lor]$.



1) Channel number

Channels 1 to 4 can be selected.

② Transmission rate

25 Mbps or 50 Mbps can be selected.

③ Speed designation

x1 (1× speed), x2 (2× speed) or x4 (4× speed) can be selected.

When the [SET] button is pressed, the settings are incorporated.

When the settings have been incorporated, the changes are shown at (4).

If the settings cannot be incorporated for some reason or other, "STATUS SET FAILED" is displayed at ④.

When the [CANCEL] button is pressed, menu selection screen pattern 2 is restored.

■ Parameter Setting Screen

Each parameter required by the unit is set.

CH1 CLIP0001 00:00:00:00 (CTL1) STOP 000 SELECT CONFIG TYPE **▼**[USER SET]▶

 Then screen for selection of CONFIG TYPE is shown.

CONFIG TYPE is selected with cursor button [<] or [>].

USER SET → A/S SET → CLOCK

If the parameter does not need to be changed, press the [CANCEL] button.

When the [CANCEL] button is pressed, main screen pattern 1 is restored.

- 2. When the [SET] button is pressed, the unit moves to the screen for change of setting items or setting values.
- 3. The setting items are changed by cursor button $[\land]$ or $[\lor]$ and the settings are changed by cursor button $[\lt]$ or $[\gt]$.
- 4. When setting value has been determined, press the [SET] button.

By pressing the [SET] button, changes in parameters are recorded in the main unit. (Screen does not change.)

- 5. Similarly, other setting items are set by cursor button [∧] [∨] or [<] [>] and recorded by the [SET] button. To select CONFIG TYPE, press the [CANCEL] button.
- When all the settings are completed, press the [CANCEL] button and return to the screen for selecting CONFIG TYPE.
- 7. Press the [CANCEL] button again.

When the USER SET parameter has been changed, one of the following screens will be displayed. Press the [SET] button to restart the system.

If the USER SET parameter has not been changed, the system will return to Main Screen Pattern 1.

Changed Conf! Do [SERVER REBOOT]
SET or CANCEL

<Notes>

- The USER SET parameter becomes effective following restart after the setting has been changed and the [SET] button has been pressed.
 - When the USER SET parameter has been changed, be sure to always restart the unit.
- The A/S SET parameter becomes effective after the setting has been changed and the [SET] button has been pressed.

When changing the unit's clock

1. Select CLOCK using the [<] or [>] cursor button.

USER SET → A/S SET → CLOCK

If there is no need to change the clock, press [CANCEL].

If the [CANCEL] button is pressed, operation returns to main screen pattern 1.

2. Press the [SET] button to move to the screen on which the time on the clock is changed.

① ②
2000/ 12/ 28 00: 00: 00: 00
[2000/12/28 00:00:00] SET or CANCEL
③ ④

1) Date setting:

The date to be set in input here.

② Time setting:

The time to be set in input here.

③ Current date:

The current date is displayed here.

(4) Current time:

The current time is displayed here.

- 3. Select the setting item using the [<] and [>] cursor buttons. Change the setting using the [\land] and [\lor] cursor buttons.
- Press the [SET] button to enter the setting.
 When the [SET] button is pressed, the change made to the clock is recorded on the main unit and the RAID board.
- 5. When the clock change has been completed, press the [CANCEL] button to return to the screen on which CONFIG TYPE is selected.
- 6. Press the [CANCEL] button again to return to main screen pattern 1.

Display Panel

Parameter List

USER SET

Setting item	Setting	Remarks
Protocol	Odetics Louth	Selects the control protocol in use with RS-422A.
FF.REW Max	<u>x32</u> , x64, x128	Selects the speed for FF/REW.
SDTI Slow Audio	Valid Invalid	Selects audio data output for playback at ×1 speed or below.
Rec Start Position	00:00:00 00:59:59 01:00:00	Selects the recording starting point when recording instruction has been given by operating the front panel when creating a new CLIP.
Record Duration	10min 15min 30min 45min 1H 2H 4H 8H	Selects the recording time length of CLIP ID used during loop recording (L-REC). <note> Upon writing over the existing CLIP ID, loop recording takes place within the length of recording time set from the current position. Loop recording operation takes place only during STOP.</note>
FTP Put Offset	00:00:00 00:59:59 01:00:00	Selects the recording starting point when recording is done through transmission from a non-linear system.
SDTI Illegal Input	Rec Stop Continue	Selects operation when SDTI signal has detected no signal during recording.
Front Panel Operate	Lock Unlock	Restricts the screen operations of the display panel. When "Lock" is selected, the following screen operations can no longer be performed. • Channel Setting • Simplified Manual Operation • CLIP Erase • CLIP Rename • HDD Rebuilding Selection • REMOTE/LOCAL
Ch1 Default Rate	25Mbps 50Mbps	Selects the format of signals used in each channel.
Ch2 Default Rate	25Mbps 50Mbps	However, the upper limit of maximum usable stream count (25 Mbps mode taken as 1) that has been set cannot
Ch3 Default Rate	25Mbps 50Mbps	be exceeded. For details, consult your dealer.
Ch4 Default Rate	25Mbps 50Mbps	
Ch1 Default Times	<u>x1</u> , x2, x4	
Ch2 Default Times	<u>x1</u> , x2, x4	
Ch3 Default Times	<u>x1</u> , x2, x4	
Ch4 Default Times	<u>x1</u> , x2, x4	

A/S SET

Setting item	Setting	Remarks
CH1 CF Enable	On Off	Selects channel 1 color frame control.
CH1 SYS H	-121~ <u>0</u> ~+120	Performs rough tuning of channel 1 system phase in relation to standard signal. (37ns step)
CH1 SYS SC	0~ 512~1023	Performs fine tuning of channel 1 system phase in relation to standard signal. (0.35° step)
CH1 SCH	-128~ <u>0</u> ~+127	Performs tuning of channel 1 SC-H (Subcarrier to Horizontal) phase. (1.41° step)
CH2 CF Enable	On Off	
CH2 SYSH	-121~ <u>0</u> ~ +120	Channel 2 setting is the same as for
CH2 SYS SC	0~ <u>512</u> ~1023	channel 1.
CH2 SCH	-128~ <u>0</u> ~ +127	
CH3 CF Enable	On Off	
CH3 SYSH	-121~ <u>0</u> ~ +120	Channel 3 setting is the same as for
CH3 SYS SC	0~ <u>512</u> ~1023	channel 1.
CH3 SCH	-128~ <u>0</u> ~ +127	
CH4 CF Enable	On Off	
CH4 SYSH	-121~ <u>0</u> ~ +120	Channel 4 setting is the same as for
CH4 SYS SC	0~ <u>512</u> ~1023	channel 1.
CH4 SCH	-128~ <u>0</u> ~ +127	

_ indicates factory setting mode.

■ Version Display Screen

Displays the version of software for the server or front panel controller, etc.

Data on each version is switched by cursor button $[\land]$ or $[\lor]$.

```
CH1 CLIP0001 00:00:00:00 (CTL1) REW Server Soft:Vx.xx.xx F5:MAIN▼
```

Information displayed:

```
Server Soft: Vx.xx.xx
Raid Board : Vx.xx.xx
           :Vx.xx.xx
Fpc Soft
DVCPCI Soft: Vx.xx.xx
ISI0
            : Vx.xx.xx
SDTI IF
            : Vx.xx.xx
CH1 Board
            :Vx.xx.xx
CH2 Board
           :Vx.xx.xx
CH3 Board
           :Vx.xx.xx
CH4 Board
           :Vx.xx.xx
```

Press the [F5] button to return to main screen pattern 1.

■ Error Display Screen

When an error has occurred in the server, it is displayed.

1			
00/05	/19 12:24:	43 DISK FULL	
F1:T0	SILENT	F3:BUZZER-OFF	F5:BACK

1) Error content display

Error contents are displayed.

Display is made in the following format: year, month, day, hour, minute, second and error contents.

②[F1] TO SILENT/TO ATTENTION

When the [F1] button is pressed, the TO SILENT is assumed and even if an error occurs, the error display screen is not shown.

Display is restored by establishing TO ATTENTION with the error log display screen.

③ [F3] BUZZER-OFF

When the [F3] button is pressed, the alarm stops.

4 [F5] BACK

When the [F5] button is pressed, the screen shown prior to the error display screen is restored.

■ CLIP Display Screen

Shows the CLIP in storage.



1) File number display

Displays the number of registered CLIPS and the order of CLIPS to be displayed.

2 CLIP name display

Displays the CLIP name.

③ Recording format display

Displays the recording format of the CLIP displayed.

4 [F1] ERASE

Press the [F1] button to erase CLIP.

When the [F1] button is pressed, the CLIP erase screen is called up.

<Note>

When "Front Panel Operation" has been set to "Lock" by the parameter setting, the following message appears, and manual operation selection is not acknowledged.

```
YOU CAN'T USE THIS.

OK:<F5>
```

(5) [F2] RENAME

Press the [F2] button to change the name of the CLIP.

When the [F2] button is pressed, the CLIP name change screen is called up.

<Note>

When "Front Panel Operation" has been set to "Lock" by the parameter setting, the following message appears, and manual operation selection is not acknowledged.

```
YOU CAN'T USE THIS.

OK:<F5>
```

⑥[F3] DETAIL

When the [F3] button is pressed, information on the CLIP displayed is shown for two seconds.

The following three types of information are displayed.

Start time code

Material duration

Compression rate

```
START 00:00:00:00 (04:00:00:01) 25Mbps
F1:ERASE F2:RENAME F3:DETAIL F5:MAIN▼
```

Display Panel

⑦[F5] MAIN

Press the [F5] button to return to main screen pattern 1.

® Previous CLIP display

Shows that there is a CLIP to display. When cursor button $[\land]$ is pressed, the previous CLIP is displayed.

Next CLIP display

Shows that there is a CLIP to display. When cursor button $[\lor]$ is pressed, the next CLIP is displayed.

■ CLIP Erase Screen

Erases the CLIP on display.



1) CLIP name display

The CLIP name selected by the CLIP display screen is shown.

Press the [CANCEL] button to return to CLIP display screen.

If the [SET] button is pressed, the [ERASE OK?] screen for confirming whether the clip is to be erased appears.

To erase the clip displayed at ①, press the [F1] button (YES).

To cancel, press the [F5] button (NO).

<Note>

If 5 or more seconds are allowed to elapse while the screen for confirming whether the clip is to be erased remains displayed, operation will return to the original screen.

When erasure is completed, the CLIP display screen is restored and the next CLIP is shown.

If erasure cannot be completed, ERASE FAILURE is shown and the CLIP erase screen remains as is.

■ CLIP Rename Screen

Changes the name of the CLIP on display.



1) CLIP name display

The CLIP name selected by CLIP display screen is shown.

With cursor button [<] [>], select the characters to be changed; change the characters with cursor button [\land] [\lor]. Characters are shown in the sequence: A \sim Z, a \sim z, 0 \sim 9, -, \$, %.

Up to 8 characters can be input.

②[F3] DEL

When the [F3] button is pressed while inputting characters, the character at the cursor position is deleted, and subsequent characters fill in the gap.

Press the [CANCEL] button to return to CLIP display screen.

If the [SET] button is pressed, the [RENAME OK?] screen for confirming whether the clip is to be renamed appears.

If the same name already exists, [EXIST SAME NAME OK?] appears.

To rename the clip, press the [F1] button (YES).

To leave the name unchanged, press the [F5] button (NO).

<Note>

If 5 or more seconds are allowed to elapse while the screen for confirming whether the clip is to be renamed remains displayed, operation will return to the original screen.

When name change is completed, the CLIP display screen is restored and the next CLIP is shown.

If name change cannot be completed, RENAME FAILURE is shown and the CLIP rename screen remains as is.

■ Simplified Manual Operation Screen

Facilitates simplified manual operation of the unit. The upper register has the same display as the main screen. The screen for simplified manual operation is shown in the lower register.

<Note>

Perform simplified manual operations after switching the relevant channel to local mode at main screen.

Simplified Manual Operation Screen Pattern 1

1	2	3	4	(5)
			00:00 (CTL	
F1:	LOAD F	2:CUE F3:	PLAY F4:ST	OP F5:MAIN▼
6	G	8	9	10 (1)

Simplified Manual Operation Screen Pattern 2

1	2	3		4	(5)	12
		001 00:0				A
F1:	LOAD F	2:CUE F	3:REC	F4:STOP	F5:MAII	N▼
6	(7) (13)	9	10	11

Simplified Manual Operation Screen Pattern 3

1	2	3	4	(5) (12)
CH1	CLIP	0001 00:00	:00:00 (CTL	.) REW 🛦
F1:1	REW	F2:FF F3	:PLAY F4:ST	OP F5:MAIN
14)		15 8	9	10 (1

Simplified Manual Operation Screen Pattern 4

1	2	3	4	⑤ 12
			00:00 (CTL)	
F1:1	L-PLAY	F2:L-REC	F4:EJECT	F5:MAIN
(16)		(17)	(18)	(10)

Displays common to the 4 patterns

The contents from ① to ⑤ are the same as for the main screen.

10 [F5] MAIN

When the [F5] button is pressed, main screen pattern 1 is restored.

1) Next pattern display

Shows that there is a screen pattern to display. When cursor button $[\lor]$ is pressed, the next screen pattern is displayed.

Example:

When currently at pattern 1, the change is from pattern 1 to pattern 2 to pattern 3 to pattern 4.

12) Previous pattern display

Shows that there is a screen pattern to display. When cursor button $[\land]$ is pressed, the previous screen pattern is displayed.

Example:

When currently at pattern 4, the change is from pattern 4 to pattern 3 to pattern 2 to pattern 1.

Simplified Manual Operation Screen Pattern 1

⑥[F1] LOAD

When the [F1] button is pressed, the CLIP load screen is shown.

See the CLIP load screen for details.

(7) [F2] CUE

This is for cueing up the CLIP being loaded in the playback mode.

If the [F2] button is pressed, the screen for specifying the cue-up time code appears.

CUE UP TIMECODE SET? →00:00:00:00
F1:DEFAULT CUE SET or CANCEL

Use the [<], [>], $[\land]$ and $[\lor]$ cursor keys to specify the time code, and press the [SET] button.

Pressing the [F1] button initiates cue-up up at the position where the CLIP starts.

®[F3] PLAY

When the [F3] button is pressed, the CLIP currently being loaded is played back.

[F4] STOP

When the [F4] button is pressed, the CLIP currently being loaded is stopped.

Simplified Manual Operation Screen Pattern 2

6 [F1] LOAD

When the [F1] button is pressed, the CLIP load screen is shown.

See the CLIP load screen for details.

If the [F1] button is pressed when the current CLIP is being loaded, the screen for confirming whether the CLIP is to be overwritten appears.

Press the [F1] button (YES) to display the CLIP load screen.

(7) [F2] CUE

This is for cueing up the CLIP being loaded in the recording mode.

When the [F2] button is pressed, the screen for specifying the cue-up time code appears.

CUE UP TIMECODE SET? →00:00:00:00
F1:DEFAULT CUE SET or CANCEL

Use the [<], [>], [\land] and [\lor] cursor keys to specify the time code, and press the [SET] button.

Pressing the [F1] button initiates cue-up up at the position where the CLIP starts.

(13) [F3] REC

When the [F3] button is pressed, input signal to the relevant channel is recorded in the CLIP currently being loaded from the current position.

9 [F4] STOP

When the [F4] button is pressed, the CLIP currently being loaded is stopped.

Simplified Manual Operation Screen Pattern 3

(4) [F1] REW

When the [F1] button is pressed, the CLIP currently being loaded is rewound.

(15) [F2] FF

When the [F2] button is pressed, the CLIP currently being loaded is fast forwarded.

[F4] STOP

When the [F4] button is pressed, the CLIP currently being loaded is stopped.

Simplified Manual Operation Screen Pattern 4

(6) [F1] L-PLAY

When the [F1] button is pressed, the CLIP currently being loaded is played back repeatedly.

17 [F2] L-REC

When the [F2] button is pressed, recording from the current position of the CLIP currently loaded to the position specified by the Record Duration item on the Parameter Setting screen is performed repeatedly.

(18) [F4] EJECT

When the [F4] button is pressed, the CLIP assumes unloaded status and the display of ② Selection CLIP becomes "DEFAULT."

■ CLIP Load Screen

Shows the CLIP in storage.



1) File number display

Displays the number of registered CLIPS and the order of CLIPS to be displayed.

② CLIP name display

Displays the CLIP name.

(3) Recording format display

Displays the recording format of the CLIP displayed.

4 [F1] LOAD

When the [F1] button is pressed, the CLIP on display is loaded into the current display channel and simplified manual operation menu pattern 1 is restored.

⑤[F2] NEW

Press the [F2] button to create a new CLIP.

When the [F2] button is pressed, the CLIP creation screen is called up.

<Note>

The [F2: NEW] display appears when [F1: LOAD] has been selected with simplified manual operation screen pattern 2.

6 [F3] DETAIL

When the [F3] button is pressed, information on the CLIP displayed is shown for two seconds.

The following three types of information are displayed.

Start time code

Material duration

Compression rate

⑦[F5] BACK

Press the [F5] button to return to simplified manual operation screen pattern 1.

® Previous CLIP display

Shows that there is a CLIP to display. When cursor button $[\land]$ is pressed, the previous CLIP is displayed.

Next CLIP display

Shows that there is a CLIP to display. When cursor button $[\lor]$ is pressed, the next CLIP is displayed.

■ CLIP Creation Screen

Creates a new CLIP.



1 CLIP name display

The new CLIP name is shown.

With cursor button [<] [>], select the characters to be changed; change the characters with cursor button [\land] [\lor]. Characters are shown in the sequence: A \sim Z, a \sim z, 0 \sim 9, -, \$, %.

Up to 8 characters can be input.

②[F3] DEL

When the [F3] button is pressed while inputting characters, the character at the cursor position is deleted, and subsequent characters fill in the gap.

Press the [CANCEL] button to return to simplified manual operation screen pattern 1.

When the [SET] button is pressed, the [MAKE NEW CLIP OK?] screen for confirming whether a new CLIP is to be created appears.

If the same name already exists, [EXIST SAME NAME OK?] appears.

To create the new CLIP, press the [F1] button (YES). To cancel, press the [F5] button (NO).

<Note>

If 5 or more seconds are allowed to elapse while the screen for confirming whether a new clip is to be created remains displayed, operation will return to the original screen.

The created CLIP is loaded in the current display channel, and operation returns to simplified manual operation screen pattern 1.

■ HDD Operation Select Screen

The HDD operation is selected on this screen.

		SELECT HDD	OPERATION	
	F1:ERROR	F2:STATUS	F3:REBUILD	F5:MAIN
,	1)	2	3	4

1)[F1] ERROR

When the [F1] button is pressed, the HDD error display screen is shown.

See the HDD error display screen for details.

②[F2] STATUS

When the [F2] button is pressed, the HDD status display screen is shown.

See the HDD status display screen for details.

③[F3] REBUILD

When the [F3] button is pressed, the HDD rebuilding selection screen is shown.

See the HDD rebuilding selection screen for details. <**Note>**

When "Front Panel Operation" has been set to "Lock" by the parameter setting, the following message appears, and manual operation selection is not acknowledged.

(4) [F5] MAIN

Press the [F5] button to return to main screen pattern 1.

■ HDD Error Display Screen

The number of times each error has occurred in the HDD is displayed on this screen.

T_OUT ABORT HARD MEDIUM OTHER HDD [S1 A]
00000 00000 00000 00000 F5:BACK

Error information

T OUT:

The response from the HDD took longer than 500 ms.

ABORT:

Processing was interrupted by a transfer data error.

HARD:

A hard disk error was detected by HDD self-diagnosis.

MEDIUM:

A problem with the HDD recording surface was detected.

OTHER:

Some other error was detected.

(Example: When the HDD has not been installed)

■ HDD Status Display Screen

Displays HDD status.

When there are 9 HDDs for data



When there are 5 HDDs for data

S1	S2	1	2	3	4	P	
0K	0 K	0 K	0K	0 K	0K	OK	F5:BACK
1							2

<Note>

S1 and S2 apply to SYS1 HDD and SYS2 HDD, respectively.

1 HDD status display

Each HDD status is displayed.

OK: Operating normally

NG: Not operating normally

0-99/RE:

This indicates the capacity (%) of the HDD which was rebuilt, and it appears alternately with the RE display.

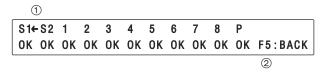
②[F5] BACK

Press the [F5] button to return to HDD operation select screen.

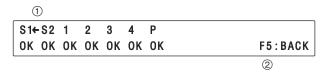
■ HDD Rebuilding Selection Screen

Rebuilds the HDD.

When there are 9 HDDs for data



When there are 5 HDDs for data



Press cursor button [<] [>] to select the HDD to be rebuilt. When the cursor button [<] [>] is pressed, the arrow at ① moves.

When the [SET] button is pressed after the HDD has been selected, the screen confirming whether the HDD is to be rebuilt appears.

Press the [F1] button (YES) to commence the rebuilding of the selected HDD.

<Notes>

- If 5 or more seconds are allowed to elapse while the screen for confirming whether the HDD is to be rebuilt remains displayed, operation will return to the original screen.
- Do not execute this operation while another HDD is being rebuilt.

Press the [CANCEL] button to abort rebuilding and return to the HDD status display screen.

② [F5] BACK

Press the [F5] button to return to HDD operation select screen.

Examples of errors displayed during rebuilding

- The instruction to rebuild the system HDD specified is not acknowledged because another system HDD is being rebuilt.
- The instruction to rebuild the data HDD specified is not acknowledged because another data HDD is being rebuilt.

- The instruction to rebuild the system HDD specified is not acknowledged because another system HDD has failed.
- The instruction to rebuild the data HDD specified is not acknowledged because one or more other data HDDs have failed.

 The rebuilding instruction was not acknowledged due to a communication error, etc.

 An instruction to cancel rebuilding of an HDD has been assigned but that HDD is not being rebuilt.

 An instruction to cancel rebuilding was not acknowledged due to a communication error, etc.

```
CAN'T REBUILD CANCEL -- ANY REASON
OK:<F5>
```

■ Error Log Display Screen

Displays error log. Up too 100 errors stored.



1) Error content display

Error contents are displayed.

Display is made in the following format: year, month, day, hour, minute, second and error contents.

②[F1] TO SILENT/TO ATTENTION

When the [F1] button is pressed, change is made between TO SILENT and TO ATTENTION.

In TO SILENT, even if an error occurs, the error display screen is not shown.

In TO ATTENTION, if an error occurs, the error display screen is shown.

③[F3] DETAIL

When the [F3] button is pressed, the error log detailed display screen is called up.

4 [F5] MAIN

When the [F5] button is pressed, display returns to main screen pattern 1.

5 Previous error log display

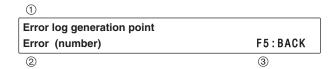
Shows that there is an error log to display. When cursor button $[\land]$ is pressed, the previous error log is displayed.

6 Next error log display

Shows that there is an error log to display. When cursor button $[\lor]$ is pressed, the next error log is displayed.

■ Error Log Detailed Display Screen

Shows details of the error log.



1) Error generation point display

Shows where an error has been generated.

② Error number display

Error is shown by number.

Display is in the following format: error type, channel number, error generation point, error content, optional data.

<Note>

Data on numbers for error type

- Shown when running cannot be continued or when operations are abnormal.
 - Consult your dealer immediately.
- 11: Running can be continued.

Remove the cause of the warning generation.

20: Running can be continued. Shows internal processing data.

Display examples:

Abnormal heat discharge fan

(XX)	Fan/Temp. Error	
(10-	00-0110-2001-0001)	F5:MAIN▼

 Recording not possible because ID maximum number has been exceeded.

(XX) ID MaxNum.	Error	
(10-00-0310-130	5-0000)	F5:MAIN▼

 Cannot control from external controller because control is in local mode.

```
(XX) F.Panel Sel. Local
(11-00-0106-2700-0000) F5:MAIN▼
```

Assessment of input/output boards is complete.

(XX) Option	Board Search	
(20-00-0100	-2100-0001)	F5:MAIN▼

③ [F5] BACK

Press the [F5] button to return to error log display screen.

Optional Board Installation Method

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Three optional boards are available.

- 1. Analog out board (AJ-YA7200P)
- 2. SDTI I/O board (AJ-YAC7000P)
- 3. SDI I/O board (AJ-YA7100P)

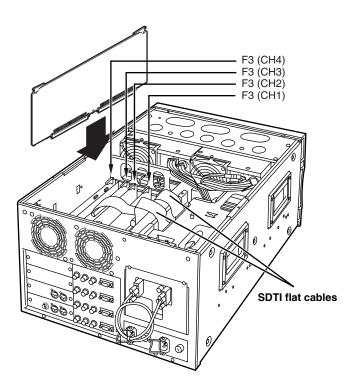
(The analog out board is required for the SDI I/O board.)

The above three boards can be installed for any or all of the four channels. The installation locations are described below.

Attach the connectors for connection with the rear panel to the slots marked "F3" on the AV block, and then insert the boards.

The number and types of connectors differs depending on the type of board concerned.

Consult your dealer for details on setting and installing the optional boards.



Optional Board Installation

Always be sure the power cord is removed before installing the optional board.

- 1. Remove the two coin screws securing the unit's top panel. Remove the top panel.
- Remove the three screws holding down the circuit board securing fittings, then remove the fittings. Unplug the two SDTI flat cables from the IF board.
 Note>

Be sure to note the connector locations so you can reconnect them properly when reassembling the unit later.

- 3. Connect the connector panel (packed together with the optional board) to the optional board.
- Connect the unit's rear panel connector and the optional board. Insert the optional board into the unit.

<Note>

Confirm that the rear panel connector channel matches the channel of the slot into which the optional board is inserted.

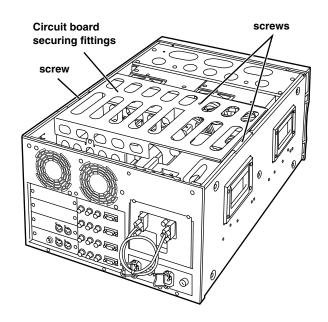
Reconnect the two SDTI flat cables to the IF board.
 Note>

Make sure the cables are plugged in at the correct locations.

Remount the circuit board securing fittings with the three screws and reattach the top panel.

<Note>

Be sure to secure the top panel in place using the coin screws.



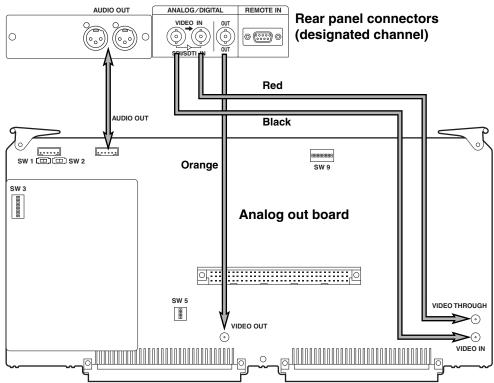
Optional Board Installation Method

1. Analog out board (AJ-YA7200P)

Perform the connections as illustrated below.

Analog audio out panel

(packed together with optional board)



SW1 setting

(for input audio signals with 600-ohm termination) (CH1)

ON: 600-ohm termination OFF: High impedance

SW2 setting

(for input audio signals with 600-ohm termination) (CH2)

ON: 600-ohm termination OFF: High impedance

SW3 setting

For the PAL system (factory setting)

5: ON 6: OFF 7: ON 8: OFF

For the NTSC system (setting must be changed)

5: OFF 6: ON 7: OFF 8: ON

Input audio level selection

	1	2	3	4
+4 dBu	ON	OFF	ON	OFF
0 dBu	OFF	ON	OFF	ON
–20 dBu	ON	ON	ON	ON

SW5 setting

Output audio level selection

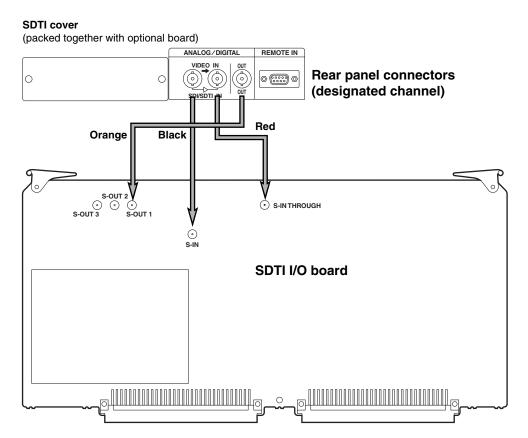
	ı	2	3	4
+4 dBu	OFF	OFF	OFF	OFF
0 dBu	ON	OFF	ON	OFF
–20 dBu	OFF	ON	OFF	ON

SW9 setting

ON for all switches

2. SDTI I/O board (AJ-YAC7000P)

Perform the connections as illustrated below.



Optional Board Installation Method

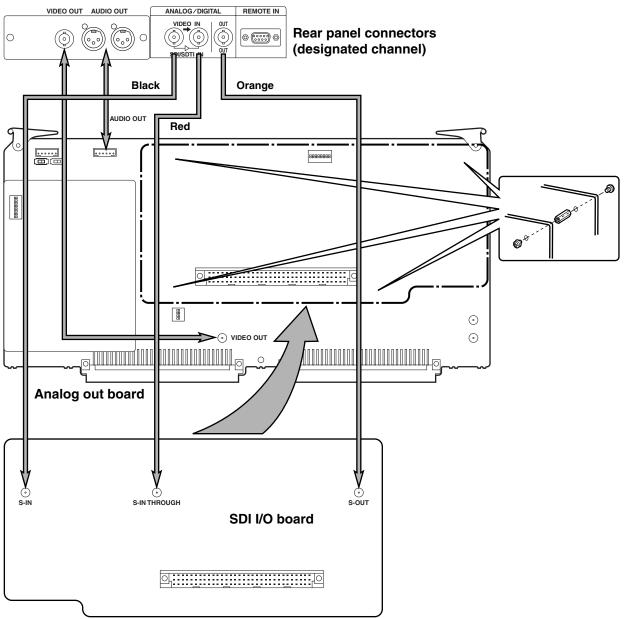
3. SDI I/O board (AJ-YA7100P)

Proceed with the connections in the sequence described below.

- 1. Connect the cables (for SDI signals \times 3) from the unit to the SDI I/O board.
- 2. Connect the coaxial cables (for video signals $\times 1$, for audio signals $\times 1$) packed with the SDI I/O board to the analog out board.
- Orient the SDI I/O board and analog out board so that the sides on which components are mounted are facing each other. Place spacers between them, and attach them together with a total of eight screws in the four places indicated.
- 4. Install the SDI I/O board and analog out board in the server.

Perform the connections as illustrated below.

Analog out panel (packed together with optional board)



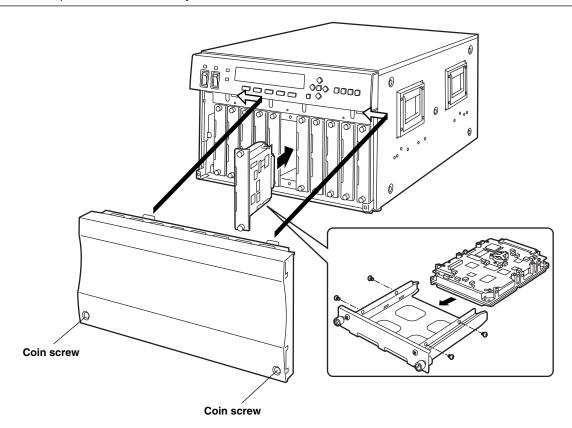
Optional HDD

CAUTION

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

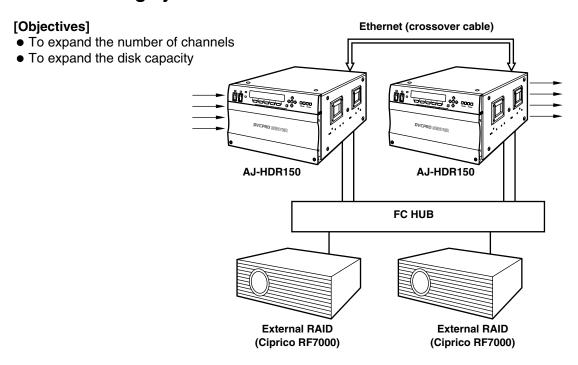
<Warning>

- The optional HDD (AJ-HDD36P) is exclusively for the unit (AJ-HDR150).
 Do not use it for any other applications.
 - If any damages should arise as a result of use for other applications, the Company cannot assume any responsibility or warranty.
- To install the optional HDD, consult your dealer.



The Example of an Extended System

1. Disk sharing system



2. FTP (file transfer protocol) system

[Objective]

To initiate network transfer from a non-linear editing system

(ClipCopy is required for the non-linear editing system)

Ethernet
(crossover cable)

AJ-HDR150

<Notes>

- The system environment must be set optimally when the system is to be expanded as shown above.
 Be absolutely sure to consult your dealer.
- Bear in mind that if a system is expanded into a disk sharing system, all the already recorded clips will be erased.

Non-Linear Editting System

Troubleshooting

Symptom	Suggested remedial action
Server's power LED fails to light even when the power switch is ON.	Has the power cord been connected?Do the installed fuses have the rated amperage?
■ No display on the display panel even though the power switch is on.	 Has the power been turned back on immediately after it was turned off? Wait at least 10 seconds after turning off the power before turning it back on.
■ The buzzer continues to sound after the operation LED has lighted.	Something has malfunctioned. Check on the display panel.
■ No control can be exercised using RS-422A.	 Have the cables been connected properly? Is the server mode set to LOCAL? Check on the display panel.
■ There is no sound.	 Are the cables connected properly? There is no audio output during playback at speeds lower than 1× speed.
■ Video recording stops at an interim point.	 Is there space on the HDD? Check remaining time on the display panel or using Odetics/Louth protocol. Is access to the HDD delayed? Is there anything wrong with the input signal? Is FC cable connected properly?

Connector Signals

■ REF VIDEO IN

BNC \times 2, loop-through with 75 Ω termination switch

■ SVGA-I/F (for maintenance)

Pin No.	Signal			
1	CRV			
2	CGV			
3	CBV			
4				
5~8	GND			
9				
10	GND			
11				
12	DCI Comm			
13	- CHSYNC			
14	- CVSYNC			
15				

■ RS-232C (for maintenance)

Pin No.	Signal
1	CD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	CI

■ Mouse/Keyboard (for maintenance)

Pin No.	Signal	
1	DATA	
2		
3	GND	
4	+5 V	
5	CLOCK	
6		

■ LAN (for system expansion)

Pin No.	Signal	
1	TX +	
2	TX –	
3	RX +	
4		
5		
6	RX –	
7		
8		

■ RS-422A (REMOTE IN)

Pin No.	Signal	
1	GND	
2	RXD –	
3	TXD +	
4	GND	
5	spare	
6	GND	
7	RXD +	
8	TXD –	
9	GND	

■ Fibre Channel (HOST/RAID)

Pin No.	Signal	
1	TX +	
2		
3		
4		
5	RX +	
6	TX –	
7		
8		
9	RX –	

Maintenance terminals are used by service personnel for maintenance.

Customers are asked to never connect these terminals.

Connector Signals

■ Analog out board

VIDEO OUT:

BNC×1

AUDIO OUT (ANALOG):

XLR×2, CH1/CH2

■ SDTI I/O board

SDTI IN:

BNC×2, with buffer out

Complies with SMPTE305M standard

SDTI OUT:

BNC×1

Complies with SMPTE305M standard

(The EE output is not locked to the REF input.)

Data stream format:

Complies with the SMPTE321M standard

■ SDI I/O board (+ analog out board)

SDI IN:

BNC×2, with buffer out

Complies with SMPTE259M-C and 272M standard

SDI OUT:

BNC×1

Complies with SMPTE259M-C and 272M

(The EE output is not locked to the REF input.)

VIDEO OUT (ANALOG):

BNC×1

(The EE output is not locked to the REF input.)

AUDIO OUT (ANALOG):

XLR×2, CH1/CH2

Specifications

[GENERAL]

Power supply: 220 V-230 V ±10% AC, 50 - 60 Hz

Power consumption: 2.1 A

Ambient operating temperature:

5°C to 35°C

Ambient operating humidity:

10% to 80% (no condensation)

Dimensions (W \times H \times D):

 $424 \times 265 \times 637 \text{ mm}$

Weight:

41.6 kg

With all optional devices installed: 48 kg

[PC component]

CPU:

Celeron, 433 MHz

OS:

Windows NT 4.0 (English version)

Memory:

128 MB

System HDD:

9 GB ×2 units

Data HDD (Optional):

36 GB ×9 units

Recording time:

20 hours (calculated at DVCPRO 25 Mbps)

Recording format:

DVCPRO 25 Mbps, DVCPRO 50 Mbps,

DVCPROP

Recording content:

Digital video, Time code (subcode domain), Digital audio

CLIP count:

Maximum 5000

CLIP length:

1 second minimum

20 hours maximum (calculated at DVCPRO 25

Mbps)

[Control Component]

RS-422A:

4 channel (D-SUB, 9 pin)

RS-422A protocol:

Odetics/Louth

Playback response time:

At STBY ON:

0.5 sec or less (CUE UP completed)

At STBY OFF:

2 sec or less (prior to CUE UP)

RS-232C:

1 channel (for monitor, maintenance)

Alarms:

Fan alarm, HDD alarm, system alarm

Fibre Channel:

One port each for HOST and RAID

Specifications

[Option]

■ VIDEO (calculated at DVCPRO 25 Mbps)

Digital

Sampling frequencies:

Y: 13.5 MHz, P_B/P_R: 3.375 MHz

Quantizing:

8 bits

Analog composite OUT

Video band:

Y: 30 Hz to 4.5 MHz (±1 dB)

Differential gain:

Less than 6%

Differential phase:

Less than 4.5 degrees

Y/C delay:

Less than 20 ns

K factor:

Less than 2%

■ AUDIO (calculated at DVCPRO 25 Mbps)

Digital

Sampling frequencies:

48 kHz

Quantizing:

16 bits

Analog OUT

Frequency response:

20 Hz to 20 kHz (+1 dB, -2dB)

Dynamic range:

More than 80 dB

(1 kHz, "A" weighted)

Distortion:

Less than 0.15%

(1 kHz, reference level)

Crosstalk:

Less than -74 dB

Headroom:

18 dB



SERVICE INFORMATION

CONTENTS

1. Maintenance	INF-1
1-1. Maintenance Schedule	
1-2. Servicing Tool	
2. Server Software Version up Method	INF-2
2-1. Server Software Version up procedure	INF-2
2-2. Preparation	INF-2
2-2-1. Items required for Server Software Version up	INF-2
2-2-2. Connection	INF-2
2-2-3. Boot up the AJ-HDR150 (Debug mode)	INF-3
2-2-4. End of "ftpd.exe"	INF-3
2-3. Back up	INF-4
2-4. Transfer of the Server Software	INF-4
2-4-1. Start "Hyper Terminal" (AJ-HDR150 side)	INF-4
2-4-2. Start "Hyper Terminal" (Personal Computer side)	INF-6
2-4-3. Execute transfer of the Server Software	INF-8
2-5. Version up of Server Software	INF-9
3. Flash-ROM on RAID P.C.B. Version up Method	INF-10
3-1. Flash-ROM on RAID P.C.B. Version up procedure	INF-10
3-2. Preparation	INF-10
3-2-1. Items required for Flash-ROM Version up	INF-10
3-2-2. Connection	INF-10
3-3. Version up	INF-11
4. Fpc Software (Front P.C.B.) Version up Method	INF-15
4-1. Fpc Software (FRONT P.C.B.) Version up procedure	INF-15
4-2. Preparation	INF-15
4-2-1. Items required for Fpc Software Version up	INF-15
4-2-2. Connection	INF-15
4-3. Version up	INF-16
5. HDD Setting	INF-18
5-1. Data HDD Exchange procedure	INF-18
5-1-1. Data HDD Exchange : One Data HDD	INF-18
5-1-2. Data HDD Exchange : All Data HDD	INF-18

6. Power Unit setting	INF-19
6-1. Switch Setting	INF-19
6-2. Test Point and Adjustment VR	INF-19
6-2-1. Test Point	INF-19
6-2-2. Adjustment VER	INF-19
7. CPLD Version Upgrade Method	INF-20
7-1. CPLD Chart	INF-20
7-2. CPLD WRITER (VFK1590)	INF-20
7-2-1. General	INF-20
7-2-2. Connection to use	INF-20
7-2-3. Software Download	INF-21
7-2-4. Connector Specification	INF-21
7-3. ALTERA CPLD Version up Method	INF-22
7-3-1. Preparation (ALTERA)	INF-22
7-3-2. Connection (ALTERA)	INF-22
7-3-3. Boot up Ver. Up Software and Ver. Up Procedure (ALTERA)	INF-22
7-4. LATTICE CPLD Version up Method	INF-25
7-4-1. Preparation (LATTICE)	INF-25
7-4-2. Connection (LATTICE)	INF-25
7-4-3. Boot up Ver. Up Software and Ver. Up Procedure (LATTICE)	INF-25
8. Power Unit setting	INF-26

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1. Maintenance

1-1. Maintenance Schedule

Maintenance is done by periodically performing suitable maintenance servicing in order to maintain the functions always in the best condition, so that the user can use the equipment safely. AJ-HDR150 uses wear parts, and their wear and deterioration causes troubles. Dust and dirt also can impair stable operation. For this reason it is important to not just perform repair at the time of trouble, but to perform suitable maintenance at regular intervals.

Hours of use are recommendation. It may depend on temperature, humidity or dust. Hours of use listed as the reference of maintenance. They do not mean guaranteed hours.

No.	Parts name	Part No.	Hour of use
1	HDD FAN Mother	VRF0212	Exchange after every 50,000h
2	REAR FAN Mother	VRF0223	Exchange after every 3 years.
3	POWER FAN Mother	VRF0223	Exchange after every 3 years.
4	CPU FAN Mother		Exchange after every 30,000h
5	SYSTEM HDD	VSI3423	Exchange after every 10,000h or 2year.
6	DATA HDD (AJ-HDD36P)		Exchange after every 10,000h or 2year.

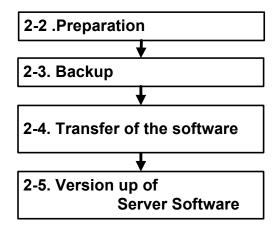
^{*} BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST.

1-2. Servicing Tools

No.	Parts No.	Tool name	Remark	
1	Extension Board	VFK1192	For SDTI_IF P.C.B., I/O P.C.B.	
2	Extension Board (RAID)	VFK1654	For RAID P.C.B.	
3	Extension Board (PC)	Purchase locally	For ISIO P.C.B., DVC-PCI P.C.B.	
4	Flash ROM Extension Cable	VFK1653	For Front Flash ROM, Raid Flash	
		(VFK1653A/VFK1653B)	ROM	
5	FLASH ROM WRITER PRO	VFK1655	For Front Flash ROM	

2. Server Software Version up Method

2-1. Server Software Version up procedure



2-2. Preparation

2-2-1. Items required for Server Software Version up

Personal Computer : OS: Windows95/98 or Windows NT

with RS-232C function

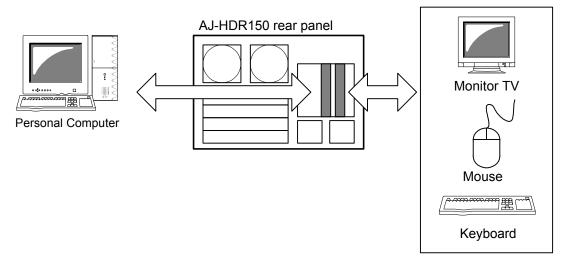
HyperTerminal : Windows95/98 or WindowsNT standard.

• D-sub 9pin-9pin cross cable : purchase locally

Keyboard (for AJ-HDR150) : purchase locally (IBM-PC compatible)
 Mouse (for AJ-HDR150) : purchase locally (IBM-PC compatible)

Monitor TV (for AJ-HDR150) : purchase locally (IBM-PC compatible SVGA standard)

2-2-2. Connection



2-2-3. Boot up the AJ-HDR150 (Debug mode)

- (1) Turn off power of AJ-HDR150 and personal computer.
 - * Refer to Operating Instruction of AJ-HDR150.
- (2) Remove the connector cover of AJ-HDR150.
- (3) Connect a mouse, a keyboard and a monitor TV with AJ-HDR150.
- (4) Connect D-sub 9pin-9pin cross cable between COM1 port of Personal computer and COM1 port of AJ-HDR150.
- (5) Turn on power of AJ-HDR150.
- (6) When the following screen is displayed, Select "Debug" (use the up and down arrow keys) and press "Enter" key.

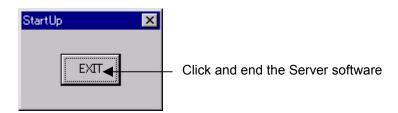
Boot up Screen

INPORTANT : System configuration change mode since the last successful Startup will be discarded.

AJ-HDR150 Original Configuration AJ-HDR150 Debug

Use the up and down arrow keys to move the highlight. To the selection you want. Then press ENTER

- (7) After Windows NT and AJ-HDR150 boot up, following window is displayed.
- (8) Click "EXIT" button and end the Server software of AJ-HDR150.

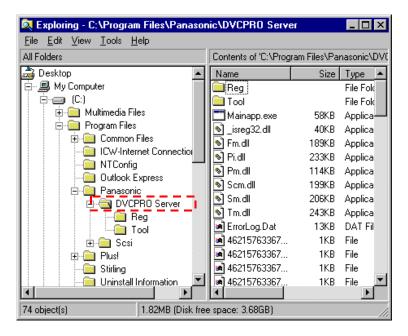


2-2-4. End of "ftpd.exe"

- (1) Start "Task Manager" of AJ-HDR150.
- (2) Select "Process Tab" of Task Manager and displayed "process" box.
- (3) If "ftpd.exe" is displayed in "process" box. Click(right) "ftdp.exe" and the menu is displayed.
- (4) Select "End of process" of the menu.
- (5) Close "Task Manager".

2-3. Back up

- (1) Start "Explorer" of AJ-HDR150 and select "C:\(\text{Program Files}\)\(\text{Panasonic}\)" folder.
- (2) Make a copy of the folder "C:\text{Program Files}\text{Panasonic}\text{DVCPRO Sever" in any folder.



2-4. Transfer of the Server Software

This item explains how to transfer server software to AJ-HDR150 from the personal computer. Windows95/98 and NT standard terminal software " Hyper terminal " is required.

2-4-1. Start "Hyper Terminal" (AJ-HDR150 side)

- (1) Start "Hyper Terminal" of AJ-HDR150.

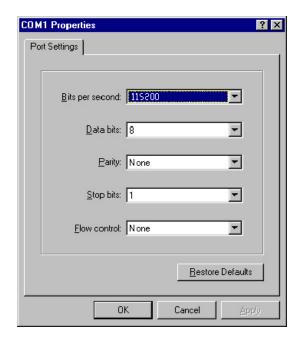
 "Start"->"Programs"->"Accessories"->"Hyperterminal"->"Hyperterm.exe"
- (2) When the following window (Connection Description) is displayed, input a name in the "Name box".
- (3) Click "OK" button.



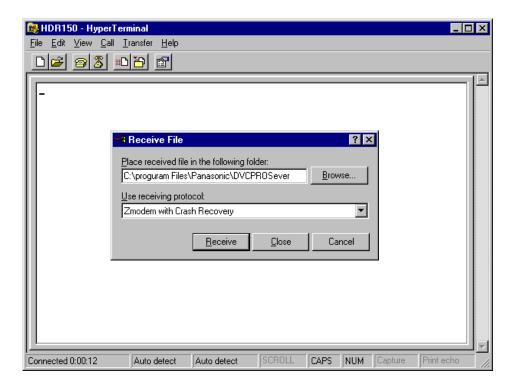
- (4) When the following window (Connect To) is displayed, select "COM1" in the "Connect using".
- (5) Click "OK" button.



- (6) When the following window (COM1 Properties) is displayed, set it as follows. "Bits per second:115200", "Data bits:8", "Parity:None", "Stop bits:1", "Flow control:None"
- (7) Click "OK" button.



- (8) Select "Transfer"->"Receive File" on the menu of Hyper Terminal.
- (9) Select "C:\Program Files\Panasonic\DVCPRO Sever" in the "Place received file in the following folder" box. Select "Zmodem with Crash Recovery" in the "Use receiving protocol" box.
- (10) Keep this condition, until "Hyper Terminal" setting of Personal Computer is completed.
 - * Refer to 2-4-2.Start Hyper Terminal (Personal Computer side).



2-4-2. Start "Hyper Terminal" (Personal Computer side)

- (1) Start "Hyper Terminal" of the personal computer.

 "Start"->"Programs"->"Accessories"->"Hyperterminal"->"Hyperterm.exe"
- (2) When the following window (Connection Description) is displayed, input a name in the "Name box".
- (3) Click "OK" button.

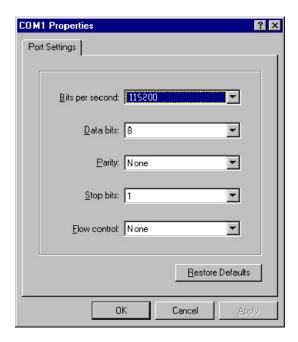


- (4) When the following window (Connect To) is displayed, select "COM1" in the "Connect using".
- (5) Click the "OK" button.



- (6) When the following window (COM1 Properties) is displayed, set is as follows.

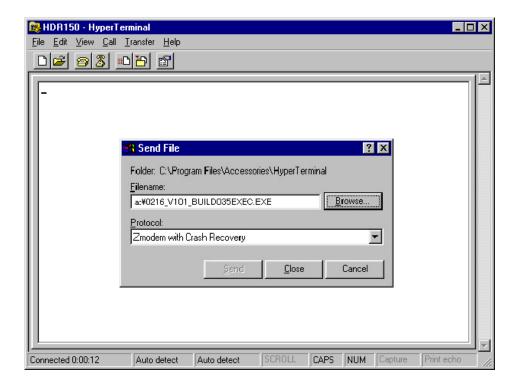
 "Bits per second:115200", "Data bits:8", "Parity:None", "Stop bits:1", "Flow control:None"
- (7) Click "OK" button.



- (8) Select "Transfer"->"Send File" on the menu of Hyper Terminal.
- (9) Enter the file name of new server software (XXXXX.exe) with the full path.

You can use the "Browse..." button on the Hyper Terminal window to select the file name and the location of the new software.

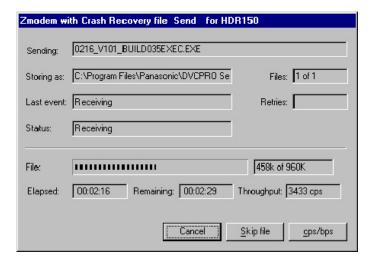
- * Example "a:¥0216V101_BUILD035EXEC.EXE"
- (10) Select "Zmodem with Crash Recovery" in the "Use receiving protocol" box.



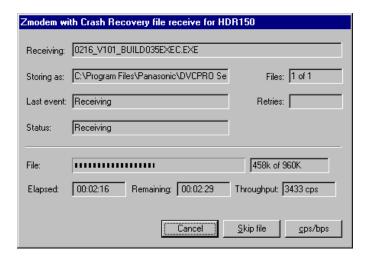
2-4-3. Execute transfer of the Server Software

(1) Click the "Send" button on the "Send file" window of the personal computer.

Then automatically the "Zmodem file send" window is displayed and file transfer starts.



- (2) After file transfer start, automatically "Zmodem file receive" window on the AJ-HDR150 is displayed and file receive starts. It takes 2~5 minutes.
 - * If "Zmodem file receive" window isn't displayed, click "Receive" button on the "Receive File" window.



(3) After the transfer of the application software is completed, close the "HyperTerminal" of AJ-HDR150.

2-5. Version up of Server Software

- (1) Start "Explorer" of AJ-HDR150 and select "C:\(\pm\)Program Files\(\pm\)Panasonic\(\pm\)DVCPROSever" folder.
- (2) Double-click "transferred server software".
- (3) When the following window is displayed, click "OK" button.



- (4) 20~30 second later, new folder is made in "C:\Proguram Files\Panasoni\P
- (5) Copy all files in the new folder into the "C:\(\frac{2}{2}\)Proguram Files\(\frac{2}{2}\)Panasoni\(\frac{2}{2}\)DVCPROServer" folder.
- (6) Close the "Explorer".
- (7) Select "Start"->"Shutdown" on the AJ-HDR150 to shut down WindowsNT.

When the following window is displayed, turn off AJ-HDR150.

Shutdown computer

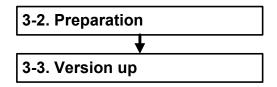
Is it now safe to turn off your computer.

- (8) Turn off the personal computer and remove the D-sub 9pin-9pincable.
- (9) Remove the keyboard, the mouse and the monitor TV to AJ-HDR150.
- (10) Turn on power of AJ-HDR150.
- (11) Confirm that the version of "Server Soft" is changed.

*It is showed on the display panel of at "version display of AJ-HDR150 by select menu "version display screen".

3. Flash-ROM on RAID P.C.B. Version up Method

3-1. Flash-ROM on RAID P.C.B. Version up procedure



3-2. Preparation

3-2-1. Items required for Flash-ROM Version up

• FlashROM Extension Cable : VFK1653A/VFK1653B

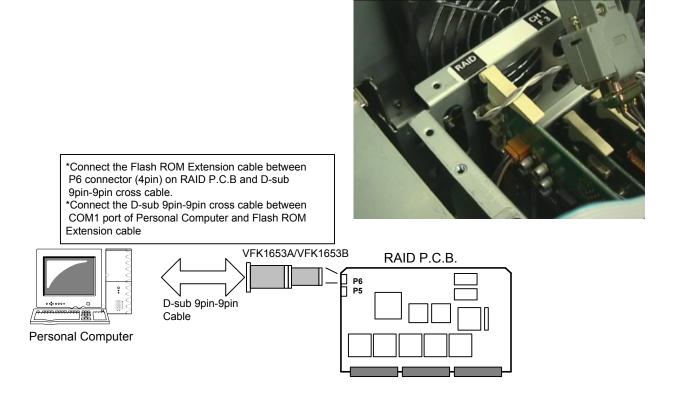
Personal Computer : OS : Windows95/98 or WindowsNT

with RS-232Cfunction

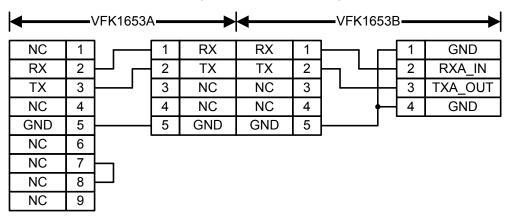
• HyperTermanal : Windows95/98 or WindowsNT standard

• D-sub 9pin-9pin cross cable : purchase locally

3-2-2. Connection



FlashROM Extension Cable (VFK1653A/VFK1653B) Connection



3-3. Version up

- (1) Turn off the AJ-HDR150 and the personal computer.
 - * Refer to Operating Instruction of AJ-HDR150.
- (2) Remove the connector cover of AJ-HDR150.
- (3) Connects a mouse, a keyboard and a monitor TV with AJ-HDR150.
- (4) Connect the Flash ROM Extension cable between P6 connector (4pin) on RAID P.C.B. and D-sub 9pin-9pin cross cable.

Connect the D-sub 9pin-9pin cross cable between COM1 port of Personal computer and the Flash ROM Extension cable.

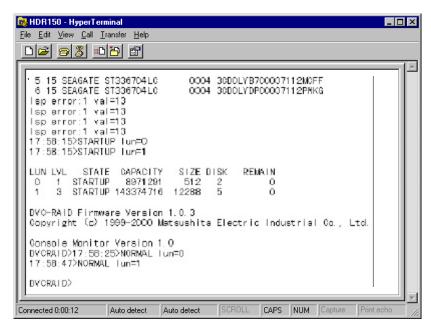
- (5) Turn on Personal Computer.
- (6) Start "Hyper Terminal" of Personal Computer.
 - "Start"->"Programs"->"Accessories"->"Hyperterminal"->"Hyperterm.exe"
- (7) When the following window (Connection Description) is displayed, input a name in the "Name box".
- (8) Click "OK" button.



(9) When the following window (Connect To) is displayed, select "COM1" in the "Connect using". (10)Click "OK" button.



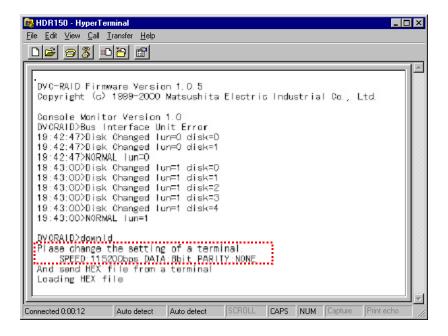
- (11)When the following window (COM1 Properties) is displayed, set it as follows.
 - "Bits per second:9600", "Data bits:8", "Parity:None", "Stop bits:1", "Flow control:None"
- (12)Trun on AJ-HDR150 and presss "DEL" key of AJ-HDR150.
- (13) The "BIOS set up" screen is displayed.
- (14) The following screen is displayed on Hyper Terminal.
 - 5~6 minutest later, the message on Hyper Terminal is stoped
- (15) Then press "Enter" key and prompt "DVCRAID>" is displayed.



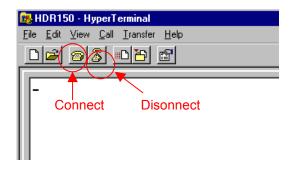
- (16)Enter "downld" to prompt "DVCRAID"
- (17) The following message is displayed

According to the message, change setting as follows.

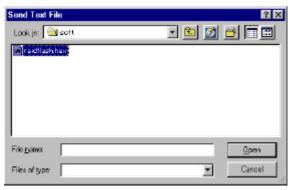
COM1 Properties > Port Settings > "Bits per second:9600 ->115200"



- (18) Click "Disconnect" button on Hyper Terminal.
- (19) Click "Connect" button on Hyper Terminal.



- (20) Select "Transfer"->"Send Text" on the menu of Hyper Terminal.
- (21)Enter the new versionup software (XXXXX.hex) with the full path. You use the "Browse..." button on the Hyper Terminal window to select the file name and the location of the new software.

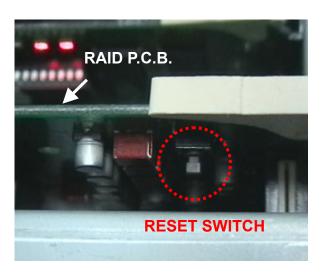


(22)Press "Open" button then start writing the new software to Flash Rom on RAID P.C.B. to version up. It takes about 10 minutes.

(23) After the End Message is displayed, change setting as follows.

COM1 Properties > Port Settings > "Bits per second:115200 -> 9600"

- (24)Click "Disconnect" button on Hyper Terminal.
- (25) Click "Connect" button on Hyper Terminal.
- (26)Press the reset on the RAID P.C.B..



(27) The message is displayed on Hyper Terminal in Personal Computer again.

5~6 minutest later, the message on Hyper Terminal is stoped

- (28) Then, press "Enter" key and prompt "DVCRAID>" is displayed.
- (29)Enter "ver" to prompt "DVCRAID>" on Hyper Terminal and press "Enter" key.
- (30)Confirme the version number of raid software.

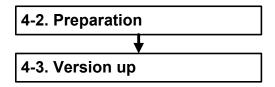
DVCRAID>ver

DVC-RAID Firmware Version 1.0.5 Tue Nov 21 08:32:57 2000

(31) Turn off AJ-HDR150 and Personal Computer.

4. Fpc Software (Front P.C.B) Version up Method

4-1. Fpc Software (FRONT P.C.B.) Version up procedure



4-2. Preparation

4-2-1. Items required for Fpc Software Version up

• FlashROM Extension Cable : VFK1653A

Personal Computer
 OS / Windows95/98 with RS-232Cfunction

• FLASH WRITER PRO Software : VFK1655

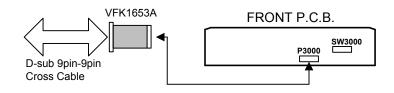
• D-sub 9pin-9pin cross cable : purchase locally

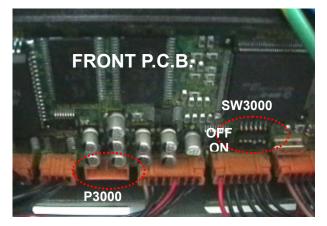
4-2-2. Connection

*Connect the Flash ROM Extension cable between P3000 connector (5pin) on FRONT P.C.B and D-sub 9pin-9pin cross cable. *Connect the D-sub 9pin-9pin cross cable between COM1 port of Personal Computer and Flash ROM Extension cable



Personal Computer





Flash ROM Extension Cable (VFK1653A) Connection

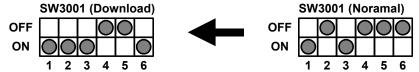
NC	1		1	RX
RX	2	\vdash \vdash	2	TX
TX	3		3	NC
NC	4		4	NC
GND	5		5	GND
NC	6	· ·		
NC	7	Ы		
NC	8	oxdot		
NC	9			

4-3. Version up

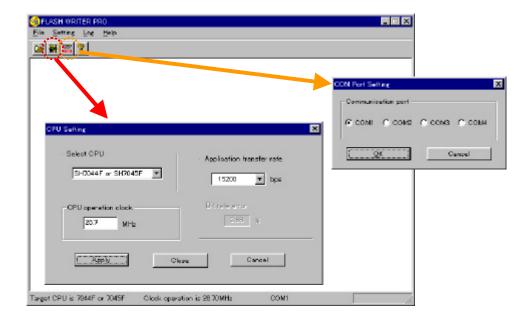
- (1) Turn off the AJ-HDR150 and the personal computer.
 - * Refer to Operating Instruction of AJ-HDR150.
- (2) Remove the Power Unit A of AJ-HDR150.
- (3) Connect the Flash ROM Extension cable between P3000 connector (5pin) on FRONT P.C.B. and D-sub 9pin-9pin cross cable.

Connect the D-sub 9pin-9pin cross cable between COM1 port of Personal computer and the Flash ROM Extension cable.

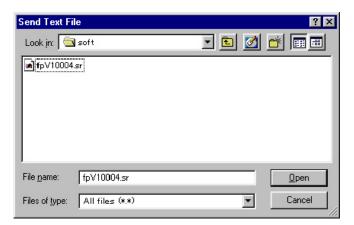
(4) Set the SW3000 on FRONT P.C.B as follow.



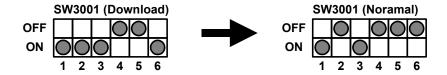
- (5) Turn on Personal Computer.
- (6) Trun on AJ-HDR150 and presss "DEL" key of AJ-HDR150.
- (7) The "BIOS set up" screen is displayed.
- (8) Start "FLASH WRITER PRO Software" of Personal Computer.
 - The following window is displayed.
- (9) Press the "CPU Setting" screen and set it as follows.
 - "Select CPU:SH7044F or SH7045F", "CPU operation clock:28.7MHz", "Application transfer rate:115200".
- (10) Press the "COM Port Setting" screen and set it as follows.
 - "Communication poart:COM1".



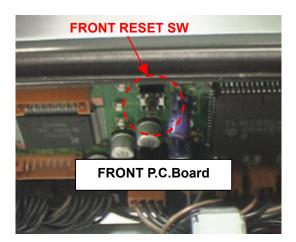
- (11) Select "File"->"Open" on the menu of FLASH WRITER PRO.
- (12) Enter the file name of new versionup software (XXXXX.sr) with the full path.
- (13) Press "Open" button and the start writing the new software to Flash Rom on FRONT P.C.B..



- (14) After the End Message is displayed, close the FLASH WRITER PRO Software.
- (15) Tuen off AJ-HDR150 and Personal Computer.
- (16) Set the SW3000 on FRONT P.C.B as follow.



NOTE: FRONT RESET SW



5. HDD Setting

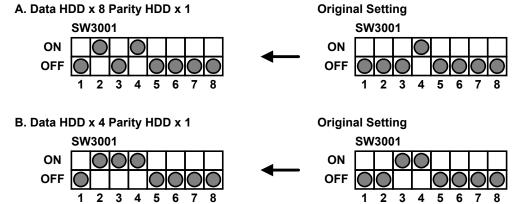
5-1. Data HDD Exchange procedure

5-1-1. Dara HDD Exchange: One Data HDD

- (1) Turn off AJ-HDR150.
 - * Refer to Operating Instruction of AJ-HDR150.
- (2) Remove the Old Data HDD.
- (3) Install the New Data HDD.
- (4) Turn on AJ-HDR150.
- (5) Execute HDD Reconstruction.
 - * Refer to "HDD Reconstruction Screen" section on Operating Instruction of AJ-HDR150.

5-1-2. Data HDD Exchange: All Data HDD

- (1) Turn off AJ-HDR150.
 - * Refer to Operating Instruction of AJ-HDR150.
- (2) Set SW3001(RAID P.C.Board) as follows.



- (3) Remove the All Old Data HDD.
- (4) Install the New All Data HDD.
- (5) Turn on AJ-HDR150.
- (6) After boot up AJ-HDR150, set SW3001(RAID P.C.Board) as follows.

A. Data HDD x 8 Parity HDD x 1



B. Data HDD x 4 Parity HDD x 1



6. Power Unit Setting

6-1. Switch Setting

Fromt main P.C.B. **SW3001 (Noramal)**

6-2. Test Point and Adjustment VR

6-2-1. Test Point

 * Differencial voltage of Power Unit A and Power Unit B is within $\pm\,20\text{mV}$

• +5V

Test Piont : SDTI I/F 1 P.C.B. / TP77 (+5V), TG76 (GND)

Spec. : $V = 5.00V \pm 0.05V$

• +12V

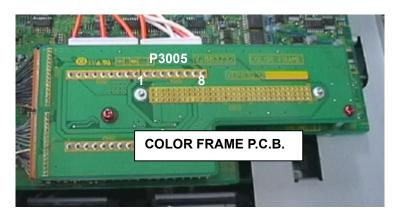
Test Piont : Color Frame P.C.B. / P3005,PIN 5

Spec. : $V = +12.00V \pm 0.05V$

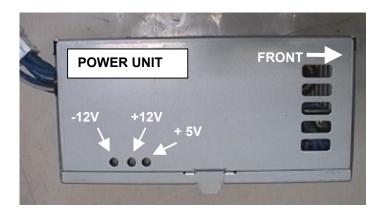
-12V

Test Piont : Color Frame P.C.B. / P3005,PIN 6

Spec. : $V = -12.00V \pm 0.05V$



6-2-2. Adjustment VR



7. CPLD Version Upgrade Method

The AJ-HDR150 has a CPLD (Complex Programmable Logic Device). For the Software version up, connect the "CPLD WRITER (VFK1590)" to the tool connection connector and use the "Version Upgrade Software" according to the following procedure.

7-1. CPLD Chart

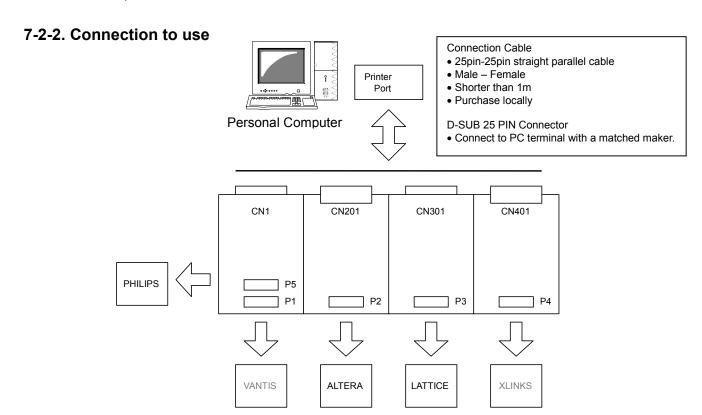
Circuit board	Connector	Connector of VFK1590	PLD maker
RAID P.C.B.	P3010	VFK1590P2	ALTERA
ISIO P.C.B.	P8	VFK1590P3	LATTICE
SDTI I/F 1 P.C.B.	P4	VFK1590P2	ALTERA
	P5	VFK1590P3	LATTICE
SDTI I/F 2 P.C.B.	P4	VFK1590P2	ALTERA

7-2. CPLD WRITER (VFK1590)

7-2-1. General

The CPLD Writer (VFK1590) is released to version up the software of CPLDs (Complex Programmable Logic Device) for DVCPRO and other models.

This tool is designed to write data for all the CPLDs of the current main CPLD makers (VANTIS, ALTERA, LATTICE, XILINX, PHILIPS), and it is included the attachment cables P1 to P5 to connect this tool and DVCPRO.



- (1) Connect a 25 pin 25 pin straight parallel cable between the D-Sub connector of VFK1590 and the printer terminal of the PC. Please buy this cable locally. The maximum cable length is 1m. The name of maker of the CPLD is written on the board, so connect the 25pin –25pin cable to the D-Sub connector matched maker name on the board.
- (2) Connect the one of the brown cables (P1, P2, P3, P4 or P5) of VFK1590 to the connector of the board of DVCPRO. For example, if you write AJ-D950 F4 CPLD, connect the cable P1 to the F4 connector of AJ-D950.

7-2-3. Software Download

Each CPLD makers has their own HOME PAGE and you can download the programs from their home page.

1. VANTIS and LATTICE

www.vantis.com → www.latticesemi.com/ Click Downloads

VANTIS --- MACHPRO (Wmpro95.exe)

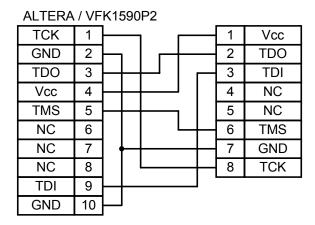
LATTICE ---Wdownld.exe (This software didn't work on my Windows 98, Windows 95 only)

2. ALTERA

www.altera.com/pub/software/asap2.exe

7-2-4. Connector Specification

The following figures show the connector specification.



LATTICE / VFK1590P3 Vcc 1 1 Vcc TDO 2 2 TDO 3 3 TDI TDI TRST 4 4 TRST NC 5 5 NC TMS 6 6 TMS GND 7 7 GND **TCK** 8 8 **TCK** NC 9 NC 10

7-3. ALTERA CPLD Version up Method

7-3-1. Preparation (ALTERA)

Following items are required for Version upgrade.

ITEM	REMARK	
CPLD WRITER	VFK1590	
CPLD WRITER Cable	VFK1590P2 (VFK1590 standard)	
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter	
Version Upgrade Software	MAX+plus II Software	
	(Please Download from www.altera.com/pub/software/asap2.exe)	
Version Upgrade Data	TDF File ("vsi xxxx" include it) Notice: Flash memory software version on CPLD, sometimes need to be upgrade together with PLD version up. Before PLD version up, refer to the instruction of TDF file.	
Personal Computer	WINDOWS 95® or 98®	

7-3-2. Connection (ALTERA)

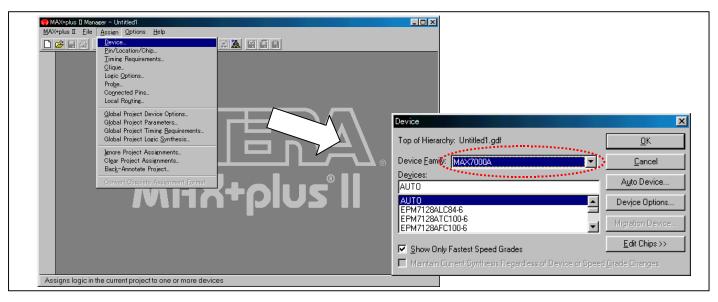
- 1. Turn off the power of AJ-HDR150 and personal computer.
- 2. Connect the D-sub Cable between CN201 connector of the CPLD WRITER and Personal Computer (Printer port).
- 3. Connect the CPLD WRITER Cable between connector of Board and P2 connector of CPLD WRITER.
- 4. Remove SYSTEM HDD1 and SYSTEM HDD2 of AJ-HDR150.
- 5. Turn on Camcorder unit and Personal Computer (Windows mode).

7-3-3. Boot up the Ver. Up Software and Ver. up Procedure (ALTERA)

- 1. Boot up the "MAX+plus II 9.6 Programmer Only" Software from start menu of Windows.
- 2. Implement the initial setting of Version Up software as shown below.

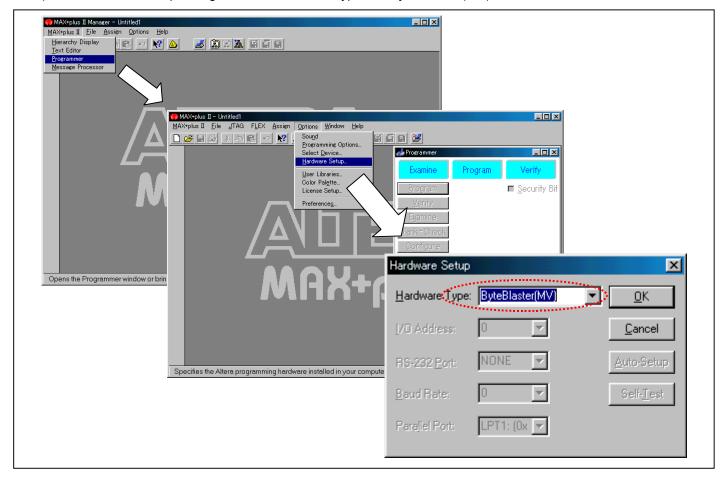
PLD Device Setting

- a) On main window, select tab "Assign" and then "Device"
- b) At device dialog, set the Device Family to "MAX7000A" (Devices item : AUTO)

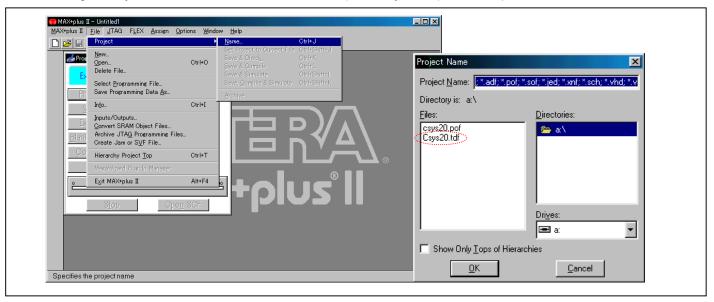


Output Port setting

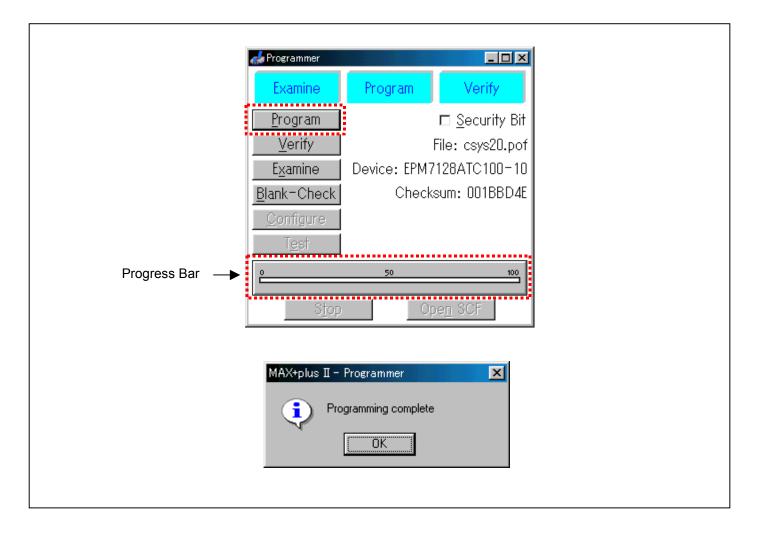
- a) On main window, Select tab "MAX+plus II" and then "Programmer"
- b) On main window (Programmer window is displayed), select tab "Option" and then "Hardware Setup"
- c) On Hardware Setup dialog, set the "Hardware Type" to "ByteBlaster (MV)".



- 3. On main window, select tab "File", "Project" and then "Name"
- 4. On Dialog of Project Name, select the "tdf format file" (The Project file) and then press "OK" button.



- 5. Press the "Program button" on Programmer dialog.
 - * When Progress Bar reaches at point of "100", the message appears "Programming Complete", then PLD version upgrade is completed.
- 6. Click "OK" button on the "Programming complete" message Dialog.



7-4. LATICE CPLD Version up Method

7-4-1. Preparation (LATTICE)

Following items are required for Version upgrade.

ITEM	REMARK	
CPLD WRITER	VFK1590	
CPLD WRITER Cable	VFK1590P3 (VFK1590 standard)	
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter	
Version Upgrade Software	Wdownld.exe	
	(Please Download from www.latticesemi.com/)	
Version Upgrade Data	Dld File ("vsi xxxx" include it) Notice: Flash memory software version on CPLD, sometimes need to be upgrade together with PLD version up. Before PLD version up, refer to the instruction of dld file.	
Personal Computer	WINDOWS 95® or 98®	

7-4-2. Connection (LATTIS)

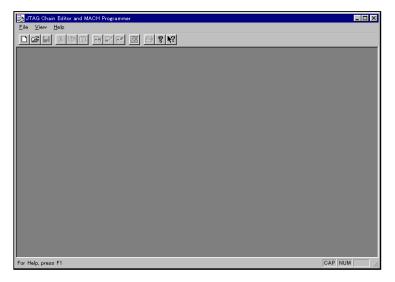
- 1. Turn off the power of AJ-HDR150 and personal computer.
- 2. Connect the D-sub Cable between CN301 connector of the CPLD WRITER and Personal Computer (Printer port).
- 3. Connect the CPLD WRITER Cable between connector of Board and P3 connector of CPLD WRITER.
- 4. Remove SYSTEM HDD1 and SYSTEM HDD2 of AJ-HDR150.
- 5. Turn on Camcorder unit and Personal Computer (Windows mode).

7-4-3. Boot up the Ver. Up Software and Ver. up Procedure (LATTIS)

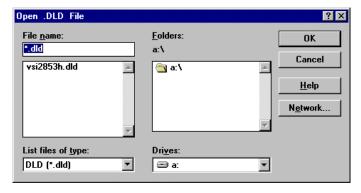
1. Copy all the files of the PLD writing software (FD) in a directory. (Personal computer should be compatible for Windows 95)



2. Start the PLD writing software so that the following window can be seen.



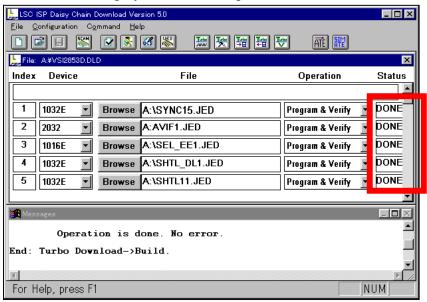
- 3. Select "File > Open" of menu.
- 4. Select the PLD software on "Open DLD File" window.



5. Click the "Turbo" button.



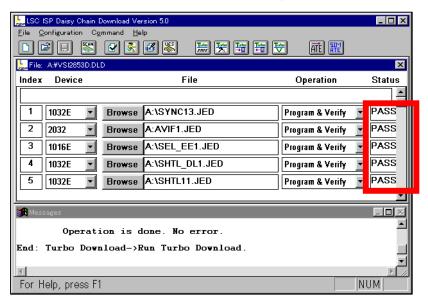
6. Confirm that all of the category Status at the right window side are DONE.



7. Click the "Turbo" button.



8. Wait for 30 seconds and confirm that all of the category Status (Index 1 to 6) at the right window side are PASS. If not, confirm the connection of the PLD writing cable and perform the PLD data writing again.



9. Turn off the power of the AJ-HDR150.

- (1) Connect a 25 pin 25 pin straight parallel cable between the D-Sub connector of VFK1590 and the printer terminal of the PC. Please buy this cable locally. The maximum cable length is 1m. The name of maker of the CPLD is written on the board, so connect the 25pin –25pin cable to the D-Sub connector matched maker name on the board.
- (2) Connect the one of the brown cables (P1, P2, P3, P4 or P5) of VFK1590 to the connector of the board of DVCPRO. For example, if you write AJ-D950 F4 CPLD, connect the cable P1 to the F4 connector of AJ-D950.

7-2-3. Software Download

Each CPLD makers has their own HOME PAGE and you can download the programs from their home page.

1. VANTIS and LATTICE

www.vantis.com → www.latticesemi.com/ Click Downloads

VANTIS --- MACHPRO (Wmpro95.exe)

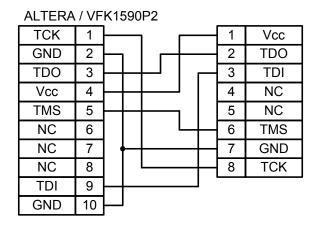
LATTICE ---Wdownld.exe (This software didn't work on my Windows 98, Windows 95 only)

2. ALTERA

www.altera.com/pub/software/asap2.exe

7-2-4. Connector Specification

The following figures show the connector specification.



LATTICE / VFK1590P3 Vcc 1 1 Vcc TDO 2 2 TDO 3 3 TDI TDI TRST 4 4 TRST NC 5 5 NC TMS 6 6 TMS GND 7 7 GND **TCK** 8 8 **TCK** NC 9 NC 10

7-3. ALTERA CPLD Version up Method

7-3-1. Preparation (ALTERA)

Following items are required for Version upgrade.

ITEM	REMARK	
CPLD WRITER	VFK1590	
CPLD WRITER Cable	VFK1590P2 (VFK1590 standard)	
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter	
Version Upgrade Software	MAX+plus II Software	
	(Please Download from <u>www.altera.com/pub/software/asap2.exe</u>)	
Version Upgrade Data	TDF File (Include in "vsi xxxx" file) Notice: For CPLD software version up, other CPLD or SPLD may need to be upgraded together with. Before CPLD version up, confirm the instruction of TDF file.	
Personal Computer	WINDOWS 95® or 98®	

7-3-2. Hooking-up (ALTERA)

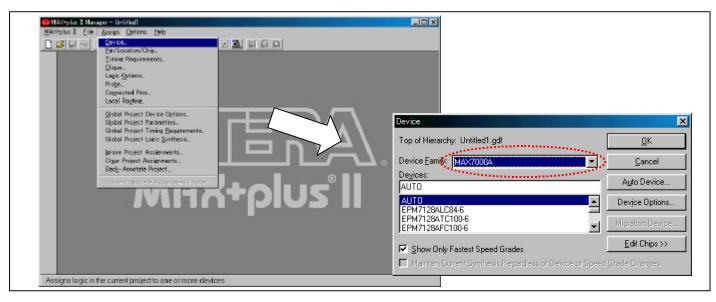
- 1. Turn off the power of AJ-HDR150 and personal computer.
- 2. Connect the D-sub Cable between CN201 connector of the CPLD WRITER and Personal Computer (Printer port).
- 3. Connect the CPLD WRITER Cable between connector on objective PCB and P2 connector of CPLD WRITER.
- 4. Remove SYSTEM HDD1 and SYSTEM HDD2 of AJ-HDR150.
- 5. Turn on Camcorder unit and Personal Computer (Windows mode).

7-3-3. Boot up the Ver. Up Software and Ver. up Procedure (ALTERA)

- 1. Boot up the "MAX+plus II 9.6 Programmer Only" Software from start menu of Windows.
- 2. Implement the initial setting of Version Up software as shown below.

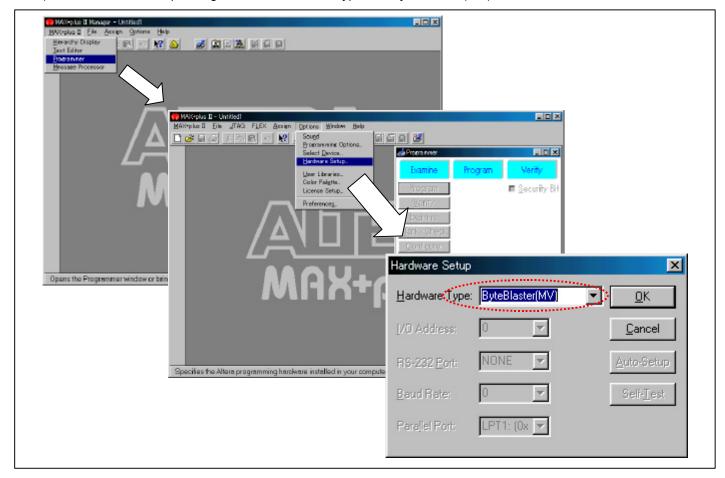
PLD Device Setting

- a) On main window, select tab "Assign" and then "Device"
- b) At device dialog, set the Device Family to "MAX7000A" (Devices item : AUTO)

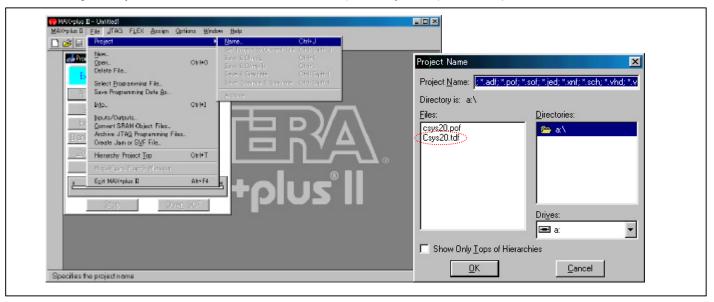


Output Port setting

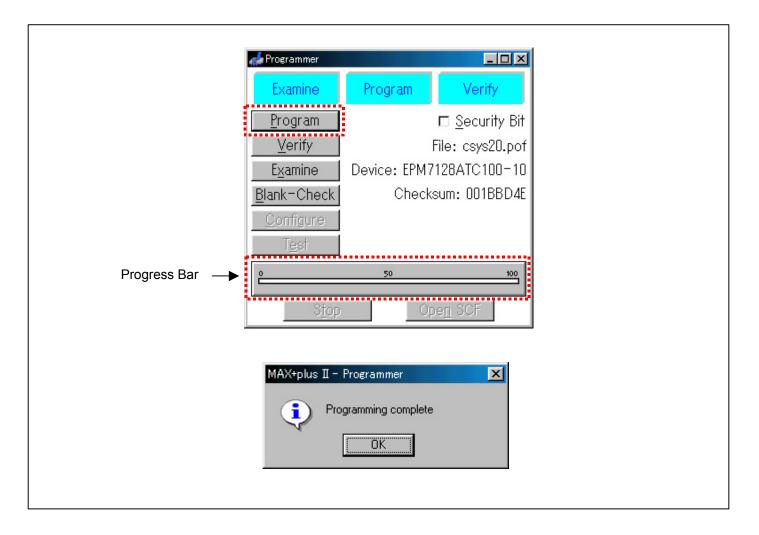
- a) On main window, Select tab "MAX+plus II" and then "Programmer"
- b) On main window (Programmer window is displayed), select tab "Option" and then "Hardware Setup"
- c) On Hardware Setup dialog, set the "Hardware Type" to "ByteBlaster (MV)".



- 3. On main window, select tab "File", "Project" and then "Name"
- 4. On Dialog of Project Name, select the "tdf format file" (The Project file) and then press "OK" button.



- 5. Click the "Program button" on Programmer dialog.
 - * When Progress Bar reaches at point of "100", the message "Programming Complete" appears, then PLD version upgrade is completed.
- 6. Click "OK" button on the "Programming complete" message Dialog.



7-4. LATICE CPLD Version up Method

7-4-1. Preparation (LATTICE)

Following items are required for Version upgrade.

ITEM	REMARK	
CPLD WRITER	VFK1590	
CPLD WRITER Cable	VFK1590P3 (VFK1590 standard)	
D-sub 25pin-25pin Cable	Straight (Male - Female), Length : Within 1meter	
Version Upgrade Software	Wdownld.exe	
	(Please Download from www.latticesemi.com/)	
Version Upgrade Data	DLD File (Include in "vsi xxxx" file) Notice: For CPLD software version up, other CPLD or SPLD may need to be upgraded together with. Before CPLD version up, confirm the instruction of DLD file.	
Personal Computer	WINDOWS 95® or 98®	

7-4-2. Hooking (LATTIS)

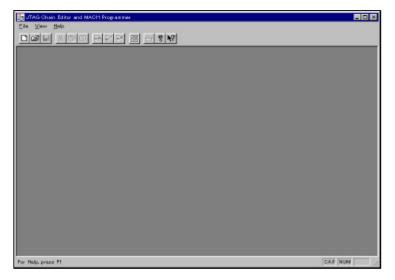
- 1. Turn off the power of AJ-HDR150 and personal computer.
- 2. Connect the D-sub Cable between CN301 connector of the CPLD WRITER and Personal Computer (Printer port).
- 3. Connect the CPLD WRITER Cable between connector of Board and P3 connector of CPLD WRITER.
- 4. Remove SYSTEM HDD1 and SYSTEM HDD2 of AJ-HDR150.
- 5. Turn on Camcorder unit and Personal Computer (Windows mode).

7-4-3. Boot up the Ver. Up Software and Ver. up Procedure (LATTIS)

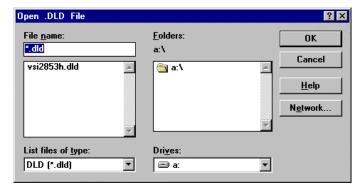
Copy all the files of the PLD writing software (FD) in a directory.
 (Personal computer should be compatible for Windows 95)



2. Start the PLD writing software so that the following window can be seen.



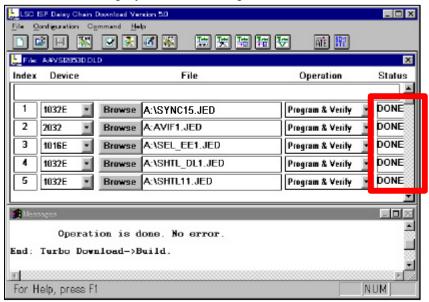
- 3. Select "File > Open" of menu.
- 4. Select the PLD software on "Open DLD File" window.



5. Click the "Turbo" button.



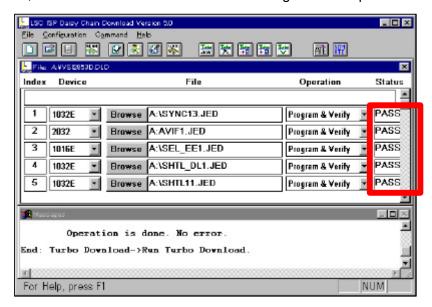
6. Confirm that all of the category Status at the right window side are DONE.



7. Click the "Turbo" button.

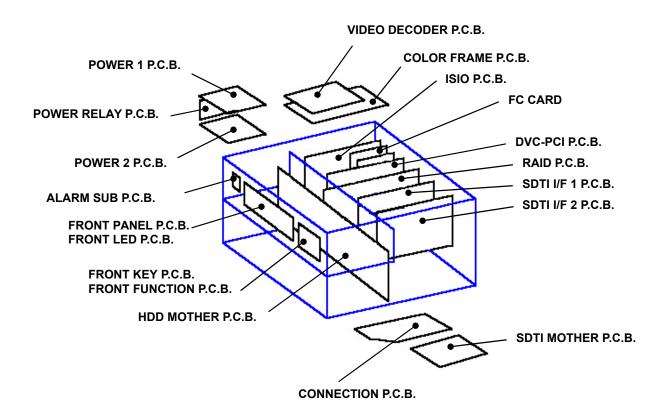


8. Wait for 30 seconds and confirm that all of the category Status (Index 1 to 6) at the right window side are PASS. If not, confirm the connection of the PLD writing cable and perform the PLD data writing again.



9. Turn off the power of the AJ-HDR150.

8. CIRCUIT BOARD LAYOUT



DISASSEMBLY PROCEDURES

CONTENTS

1.	Removal of the Top Cover	DIS-1
2.	Removal of the Front Panel (Lower)	DIS-1
3.	Removal HDD Unit	DIS-1
4.	Removal of the Power Unit	DIS-2
5.	Removal of the P.C.Board Support Angle	DIS-2
6.	Removal of the CF P.C.Board	DIS-2
7.	Removal of the P.C.Board	DIS-3
8.	Removal of the SDTI I/F 1,2 P.C.B.	DIS-3
9.	Removal of the Front Panel (Upper)	DIS-3
10.	Removal of the HDD FAN Motor Unit	DIS-4
11.	Removal of the FAN Motor Unit	DIS-4

Disassembly Procedures

1. Removal of the Top Cover

1.Loosen the 2 screws and remove the Top Cover.



Figure D1

2. Removal of the Front Panel (Lower)

1.Loosen the 2 screws and remove the Front Panel (Lower).

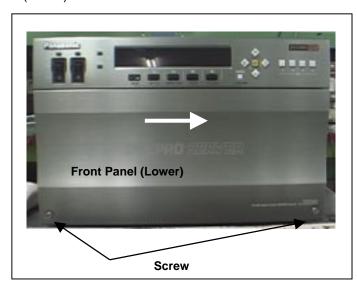


Figure D2

3. Removal of the HDD Unit

- 1.Remove the Front Panel (Lower).
- 2.Loosen the 2 screws (A) and pull out HDD unit slowly.

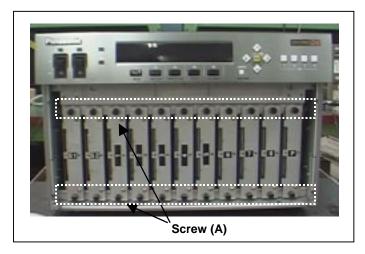


Figure D3

3.Remove the 4-screw (B) and remove the HDD form HDD Guide Angle.

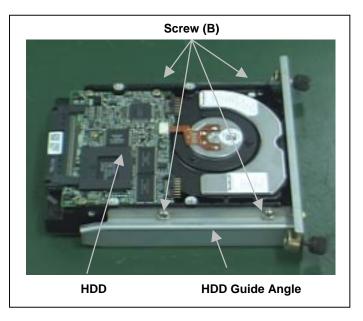


Figure D4

4. Removal of the Power Unit

- 1. Remove the Top Cover.
- 2. Loosen 6 screws and remove the Power Support Angle.

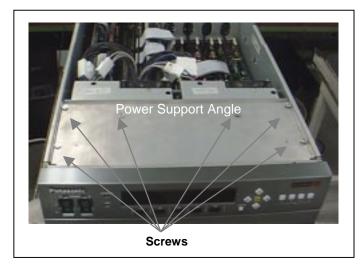


Figure D5

- 3. Disconnect the connector P1, P4, P1001 and P1005.
- 4. Remove the Power Unit A.
- 5. Disconnect the connector P1, P4, P1001 and P1005.
- 6. Remove the Power Unit B.

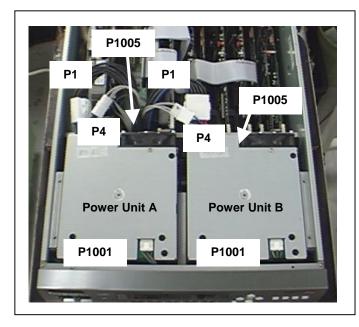


Figure D6

5. Removal of the P.C.Board Support Angle

- 1. Remove the Top Cover.
- 2. Loosen 3 screws of the P.C.Board Support Angle and remove the P.C.Board Support Angle.

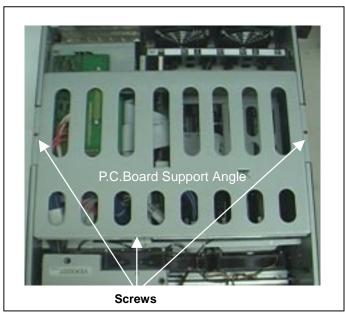


Figure D7

6. Removal of the CF P.C.Board

- Remove the Top Cover.
- 2. Disconnect the connector P3001, P3002, P3003 and P3004.
- 3. Loosen 4 screws of the CF P.C.Board Support Angle and remove the CF P.C.Board Support Angle.

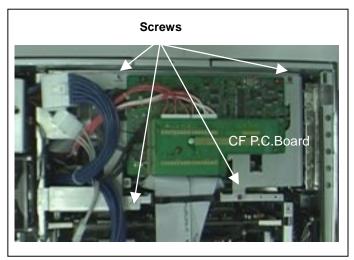


Figure D8

7. Removal of the P.C.Board

- 1. Remove the Top Cover.
- 2. Remove the P.C.Board Support Angle and the CF P.C.Board Support Angle.

[Removal of the CPU P.C.Board]

- 1. Disconnect connector (CPU FAN).
- 2. Remove the screw.
- 3. Remove CPU P.C.Board slowly.

[Removal of the RAID P.C.Board]

- 1. Disconnect the connector P4, P17, P11and P12.
- 2. Remove the screw.
- 3. Remove RAID P.C.Board slowly.

[Removal of the DVC-PCI P.C.Bord]

- 1. Disconnect the connector P502 and P503.
- 2. Remove the screw.
- 3. Remove DVC-PCI P.C.Board slowly.

[Removal of the ISIO P.C.Board]

- 1. Disconnect the connector P5, P6, P9, P10, P11, P12 and P18.
- 2. Remove the screw.
- 3. Remove ISIO P.C.Board slowly.

[Removal of the VGA P.C.Board]

- 1. Remove the screw.
- 2. Remove VGA P.C.Board slowly.

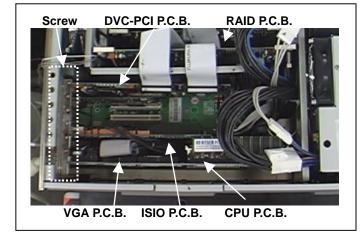


Figure D9

8. Removal of the SDTI I/F 1,2 P.C.B.

- 1. Remove the Top Cover.
- 2. Remove the P.C.Board Support Angle.
- 3. Disconnect the connector P3.
- 4. Remove screw.
- 5. Remove the SDTI I/F P.C.Board slowly.

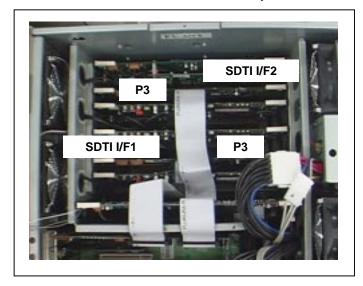


Figure D10

9. Removal of the Front Panel (Upper)

- 1. Remove the Front Panel (Lower).
- 2. Remove the 4 screws.
- 3. Remove the Front Unit.
- 4. Disconnect a connectors.

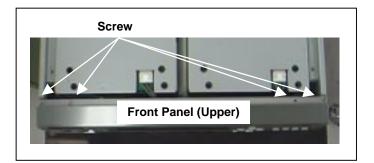


Figure D11

10. Removal of the HDD FAN Motor

- 1. Disconnect the connector P3014, P3015 and P3016.
- 2. Remove the 2screws and pull up the Fan ASS'Y.
- 3. Remove the 4screws and remove the HDD Fan Motor.

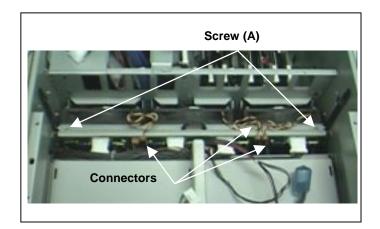


Figure D12

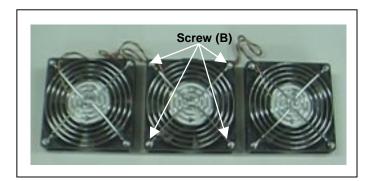


Figure D13

11. Removal of the FAN Motor Unit

- 1. Disconnect the connector.
- 2. Remove the 4 screws.
- 3. Remove the FAN Motor Unit.

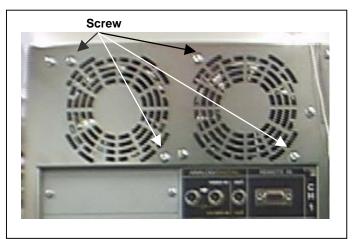


Figure D14

SECTION 4

ELECTRICAL ADJUSTMENT

CONTENTS

1.	1. POWER		EAD-1
	1-1.	Voltage Adj	EAD-1
2.	VIDEO	DECODER (COLOR FRAME)	EAD-2
	2-1.	Preparation	EAD-2
	2-2.	Setting	EAD-2
	2-3.	Connection	EAD-2
	2-4.	RSTW Adj	EAD-3
	2-5.	13.5M PLL Offset Adj	EAD-3
	2-6.	Pr / Pb Balance Adj	EAD-3
	2-7.	AD Y Clamp Level Adj	EAD-3
	2-8.	AD Y Input Level Adj	EAD-3
	2-9.	Chroma Adj	EAD-4
	2-10.	SCH Adj	EAD-5

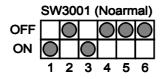
Electrical Adjustment Procedures

1.POWER

1-1. Voltage Adj.

BOARD	POWER2	
TP	SDTI_IF_1 P.C.Board	
	TP77 < +5V >, TP76 < GND >	
	COLOR FRAME P.C.Board	
	P3005 PIN5 < +12V >	
	P3005 PIN6 < -12V >	
	P3005 PIN1 < GND >	
ADJ.	VR1001 < +5V ADJ >	
	VR1004 < +12V ADJ >	
	VR1006 < -12V ADJ >	
SIGNAL	-	
MODE	-	
M.EQ	Digital Volt Meter	
SPEC.	$V1 = +5.V \pm 0.05Vp-p$	
	$V2 = +12.V \pm 0.05Vp-p$	
	$V3 = -12.V \pm 0.05Vp-p$	
	The voltage difference between Power unit A	
	and Power unit B be within ± 20mV	

[Switch Setting]



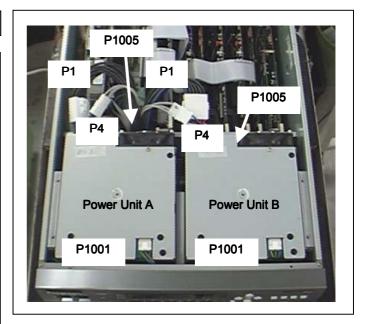
[POWER UNIT A Adjustment]

- 1. Turn off the AJ-HDR150.
- 2. Remove the Power unit B.
- 3. Adjust VR1001 so that the DC voltage V1 is in the specification at TP77 on the SDTI_IF_1 P.C.B..
- 4. Adjust VR1004 so that the DC voltage V2 is in the specification at P3005 PIN 5 on the COLOR FRAME P.C.B..
- 5. Adjust VR1006 so that the DC voltage V3 is in the specification at P3005 PIN 6 on the COLOR FRAME P.C.B..

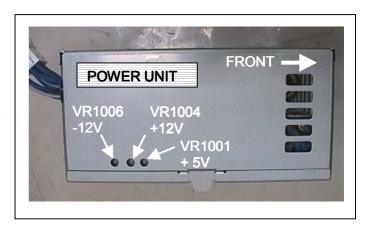
[POWER UNIT B Adjustment]

- 1. Turn off the AJ-HDR150.
- 2. Remove the Power unit A.
- 3. Adjust VR1001 so that the DC voltage V1 is in the specification at TP77 on the SDTI_IF_1 P.C.B..
- 4. Adjust VR1004 so that the DC voltage V2 is in the

- specification at P3005 PIN 5 on the COLOR FRAME P.C.B..
- 5. Adjust VR1006 so that the DC voltage V3 is in the specification at P3005 PIN 6 on the COLOR FRAME P.C.B..







2.VIDEO DECODER (COLOR FRAME)

2-1. Preparation

1. P.C.Board for Adjustment

To adjust Color Frame P.C.B., following P.C.Board is necessary.

- AJ-YA7200 : ANALOG OUT P.C.B. (VEP63224C) *1
- *1. For the adjustment with VEP63224C modification is necessary on it. (Jumper)
- 2. Modification procedure of ANALOG OUT P.C.B. (VEP63224C)
 - Short circuit between emitter of Q29 and collector of Q29.
 - (2) After adjustment of VIDEO DECODER P.C.B., remove the jumper.

2-2. Setting

1. DIP-SW Setting

DIP-SW3 (VEP63224C)

DIP-SW5 (VEP63224C)

SW1:ON SW2:OFF SW3:ON SW4:OFF

DIP-SW9 (VEP63224C) SW1 \rightarrow SW8 : ON

DIP-SW1 (VEP83441A CODEC BOARD)

 $\text{SW1} \rightarrow \text{SW8}$: OFF

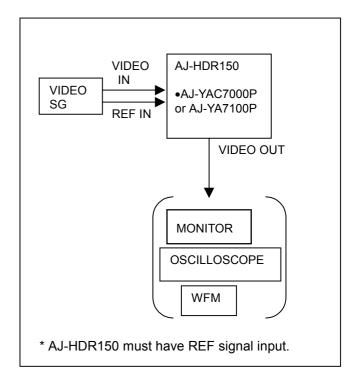
2. MENU Setting

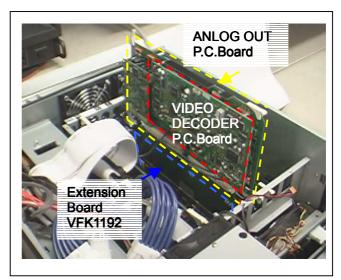
SYSTEM-ENC-CONTROL MENU

PLAY SETUP : OFF REC SETUP : OFF

2-3. Connection

- Connection of P.C.Board
 Connect Video Encoder P.C.Board on to the ANALOG OUT P.C.B. (VEP632224C).
- Instruction of P.C.Board Install the ANALOG OUT P.C.Board with the Video Encoder P.C.Board to Option Slot of AJ-HDR150 with an Extension Board.
- 3. Connect equipment's as shown in the figure.

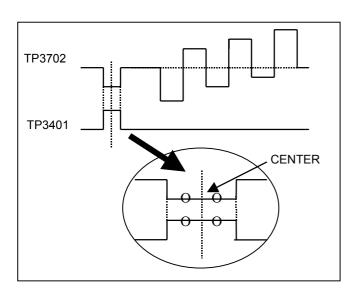




2-4. RSTW Adj.

BOARD	CF
TP	TP3401 <bgp> (1E),</bgp>
	TP3702 <ad_pb> (2D)</ad_pb>
ADJ.	VR3401 <rstw></rstw>
SIGNAL	100% COLOR BAR
MODE	REC CUE UP
M.EQ	Oscilloscope
SPEC.	0 ± 100 nsec

1. Adjust VR3401 so that the timing of signal at TP3702 and TP3401 is as shown in bellow.



2-5. 13.5M PLL Offset Adj.

BOARD	CF
TP	TP3562 <err> (C1)</err>
ADJ.	TL3652 (C1)
SIGNAL	100% COLOR BAR
MODE	REC CUE UP
M.EQ	Oscilloscope
SPEC.	0 ± 0.1V

1. Adjust TL3652 so that the DC level is in the specification.

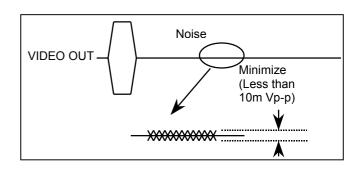
2-6. Pr / Pb Balance Adj

BOARD	CF	
TP	VIDEO OUT	
ADJ.	VR3703 <pr_clamp_dc> (3D),</pr_clamp_dc>	
	VR3704 <pb_clamp_dc> (2D)</pb_clamp_dc>	
SIGNAL	Flat-Field 50%	
MODE	REC CUE UP	
M.EQ	WFM	
SPEC.	Noise = Less than 10 m Vp-p	

1. MENU Setting

SYSTEM-ENC-CONTROL PLAY SETUP : OFF REC SETUP : THRU

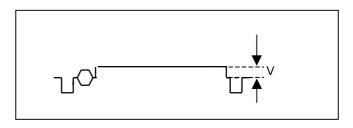
2. Adjust VR3703 and VR3704 so that the noise level is in the specification. (minimum)



2-7. AD Y Clamp Level Adj.

BOARD	CF
TP	VIDEO OUT
ADJ.	VR3602 <y_clamp_dc> (3E)</y_clamp_dc>
SIGNAL	Flat-Field 0%
MODE	REC CUE UP
M.EQ	WFM
SPEC.	V = 0 IRE ± 0.5 IRE

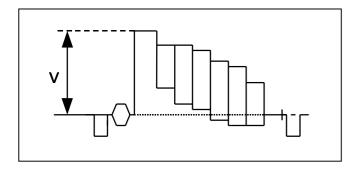
1. Adjust VR3602 so that the V is in the specification.



2-8. AD Y Input Level Adj.

BOARD	CF
TP	VIDEO OUT
ADJ.	VR3102 < CPS_AD_LEV > (3G)
SIGNAL	100% COLOR BAR
MODE	REC CUE UP
M.EQ	WFM
SPEC.	V = 100 IRE ± 2 IRE

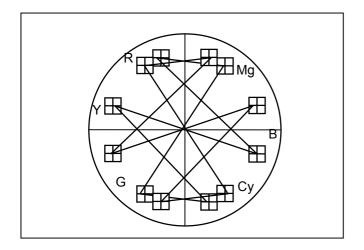
1. Adjust the VR3102 so that the V is in the specification.



2-9. Chroma Adj.

BOARD	CF
TP	VIDEO OUT
ADJ.	VR3403 <axis> (1E),</axis>
	VR3301 <dec_pb_lev> (2F)</dec_pb_lev>
	VR3302 <dec_pr_lev> (2F)</dec_pr_lev>
SIGNAL	100%COLOR BAR (7.5% setup)
MODE	REC CUE UP
M.EQ	WFM
SPEC.	All vector dots are in inner boxes
	(Reference is "Cyan")

 Adjust VR3403,VR3301 and VR3302 so that the all vector dots are in the inner boxes (Reference is "Cyan")



2-10. SCH Adj.

BOARD	CF
TP	TP3407 <insch> (3E)</insch>
ADJ.	VR3402 <sch> (2E),</sch>
	VR3404 <sch_p> (2F)</sch_p>
SIGNAL	100% COLOR BAR (SCH ± 70°)
MODE	REC CUE UP
M.EQ	Oscilloscope
SPEC.	

- 1. Supply signal with SCH -70°.
- Turn VR3402 fully clockwise Confirm the voltage of TP3407 is High(more than 4V).
- Turn VR3402 slowly counter-clockwise and stop where the voltage just change from High to Low (lower than 1V).
- 4. Supply signal with SCH +70°.
- 5. Turn VR3404 fully clockwise
- 6. Confirm the voltage of TP3407 is High(more than 4V).
- 7. Turn VR3404 slowly counter-clockwise and stop where the voltage just change from High to Low (lower than 1V).

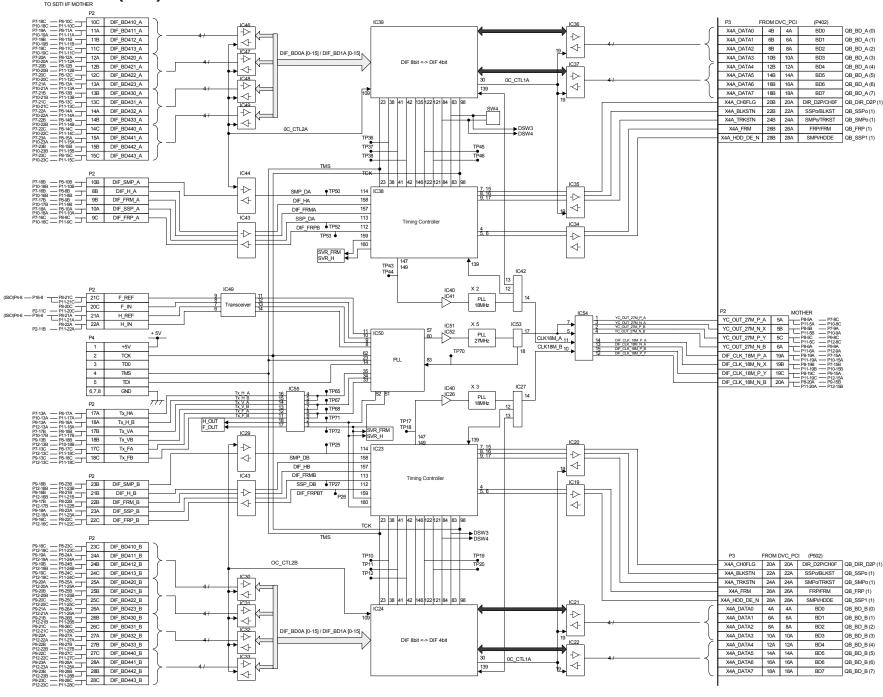
BLOCK DIAGRAMS

CONTENTS

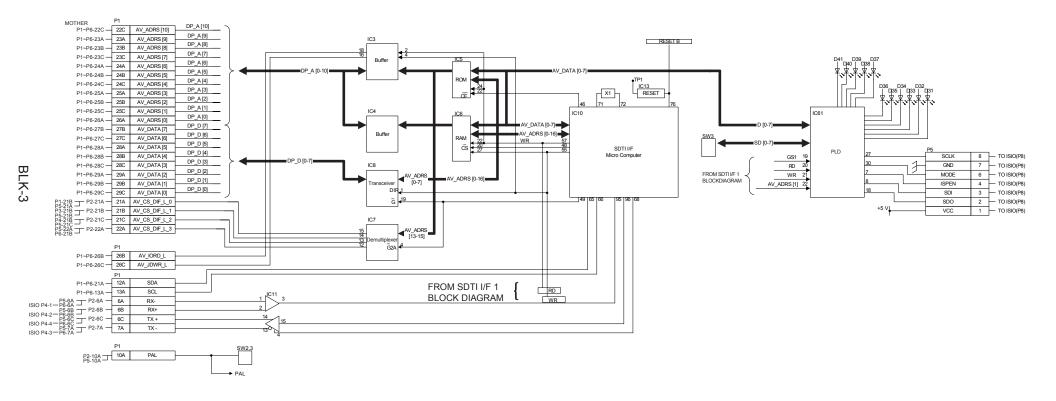
OVERALL BLOCK DIAGRAM	BLK-1
• SDTI I/F (1/2) BLOCK DIAGRAM	BLK-2
• SDTI I/F (2/2) BLOCK DIAGRAM	BLK-3
• ISIO BLOCK DIAGRAM	BLK-4
DVC-PCI BLOCK DIAGRAM	BLK-5
RAID BLOCK DIAGRAM	BLK-6

OVERALL BLOCK DIAGRAM COLOR FRAME POWER ACINA TO P.C.B. UNIT 1 **POWER** AC IN B UNIT 2 **FRONT** PANEL VIDEO DECODER P.C.B. REF. IN / **THROUGH** CF ISIO P.C.B. HDD MOTHER **BACK PLANE BOARD** PC BOARD FC BOARD DETECTION P.C.B. and * Not component on * Not component on * Not component on SYNC SEP. the board is supplied. the board is supplied. the board is supplied. ISIO SYSTEM CPU **PCI BUS** REMOTE HDD1 PCI BUS CONTROL RS422 PC SECTION SYSTEM BUS IN/OUT **IDE BUS** HDD2 RAID P.C.BOARD DATA HDD1 **DVC-PCI CPU** SDTI I/F CPU **RAID CPU** DATA HDD2 VIDEO IN/OUT CH1 IN/OUT BOARD DATA AJ-HDR150 (OPTION) **AUDIO IN/OUT RAID CPU** HDD3 **APPLICATION Data Rate** Convert SCSI BUS DATA **DIF BUS** HDD4 **Data Replace VIDEO IN/OUT** CH2 SCSI IN/OUT BOARD DATA CONTROL (OPTION) HDD5 ()**AUDIO IN/OUT** SDTI I/F 1 P.C.B. DATA **MEMORY** RAID DIF <-> PCI HDD6 SCSI BUS (SIMM) **MEMORY Data Convert** DATA HDD7 CH3 VIDEO IN/OUT IN/OUT BOARD **Data Rate** DATA (OPTION) Convert HDD8 **AUDIO IN/OUT** DIF BUS BUS BUS BUS **Data Replace** DATA 짇 짇 짇 \bigcirc HDD P VIDEO IN/OUT CH4 **IN/OUT BOARD** (OPTION) **AUDIO IN/OUT** PCI BUS SDTI I/F 2 P.C.B. **BACK PLANE BOARD** * Not component on the board is supplied. SDTI MOTHER P.C.B. DVC-PCI P.C.B.

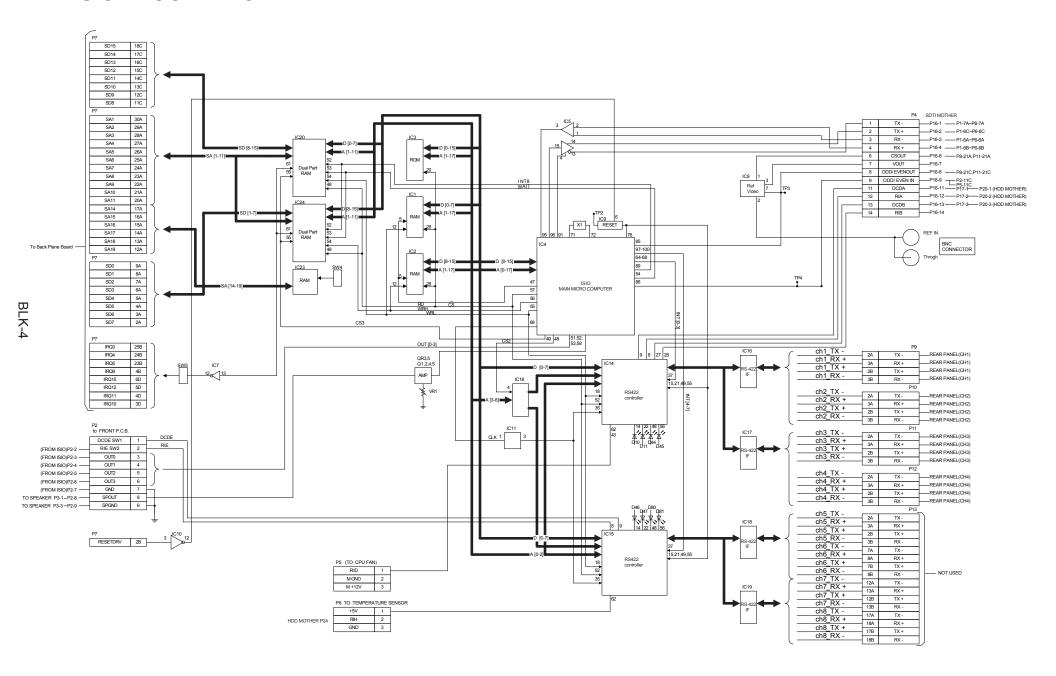
SDTI I/F (1/2) BLOCK DIAGRAM



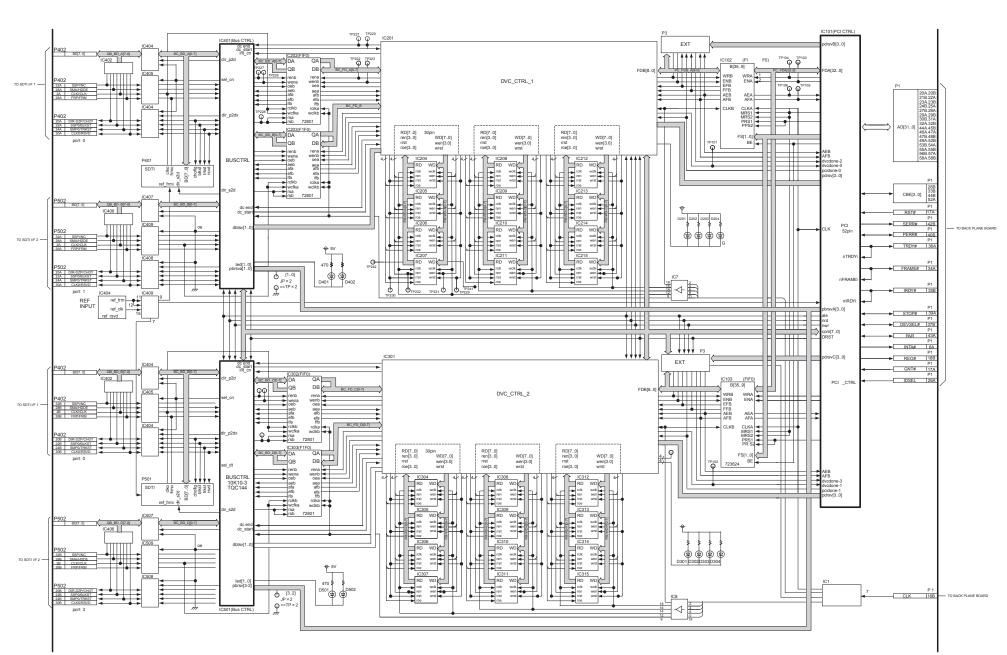
SDTI I/F (2/2) BLOCK DIAGRAM (SDTI I/F 1 ONLY)



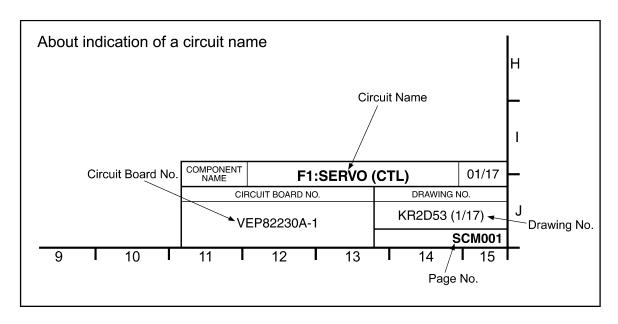
ISIO BLOCK DIAGRAM



DVC-PCI BLOCK DIAGRAM



SCHAMATIC DIAGRAMS



NOTE:

BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST, SECTION 8

CAUTION

THE MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.

PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

*NOTE: SDTI I/F SCHEMATIC DIAGRAMS

The schematic diagrams of SDTI/F 1 P.C.Board (VEP66414D) and SDTI I/F 2 P.C.Board (VEP66414B) Is common.

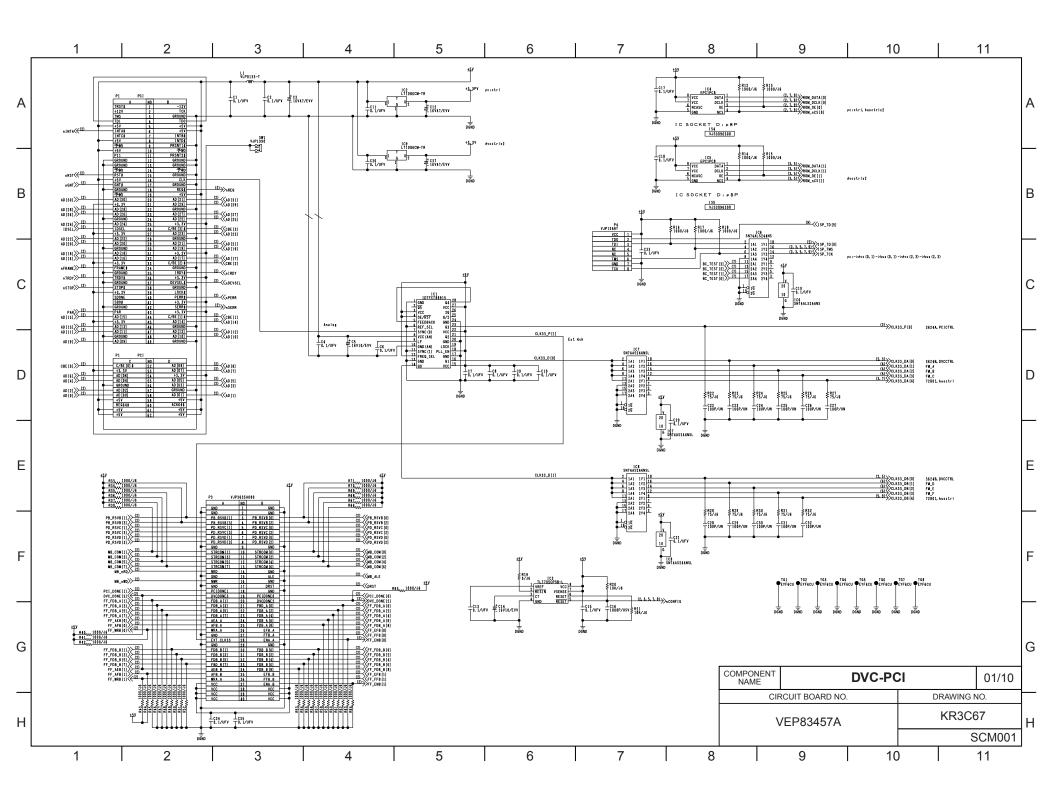
- (1) For servicing a SDTI I/F 1 P.C.Board (VEP66414D)

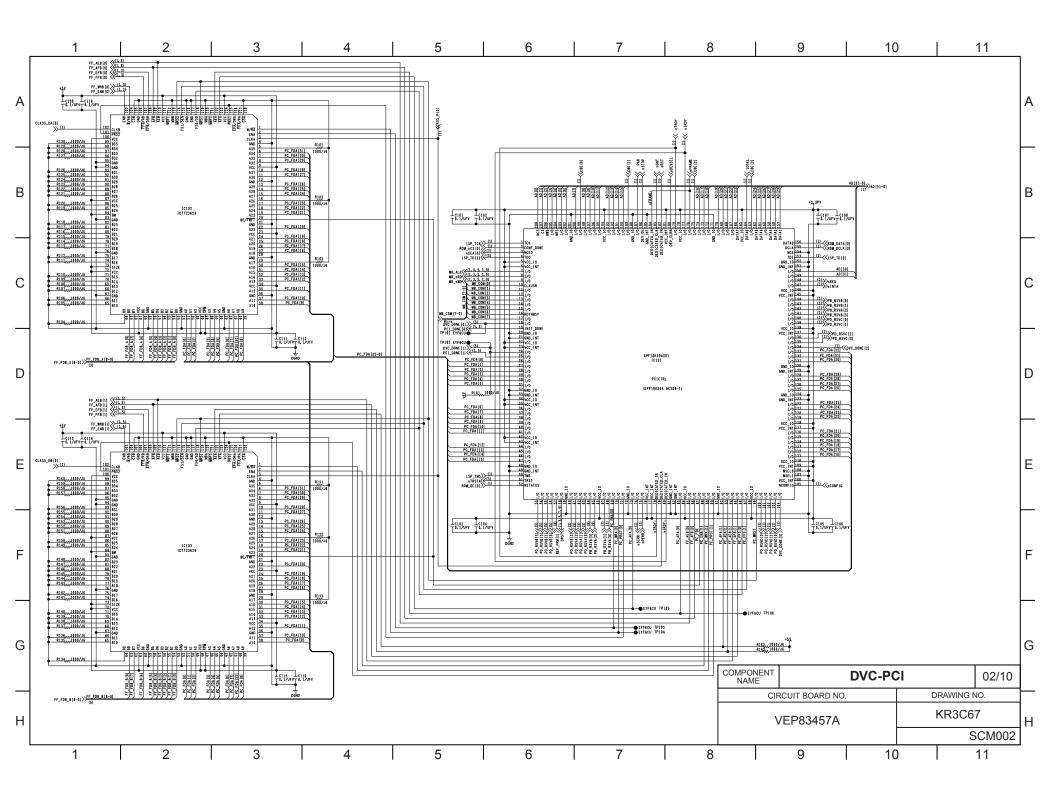
 Please refer to "SDTI I/F SCHEMATIC DIAGRAM 1/5-5/5"
- (2) For servicing a SDTI I/F 2 P.C.Board (VEP66414B)

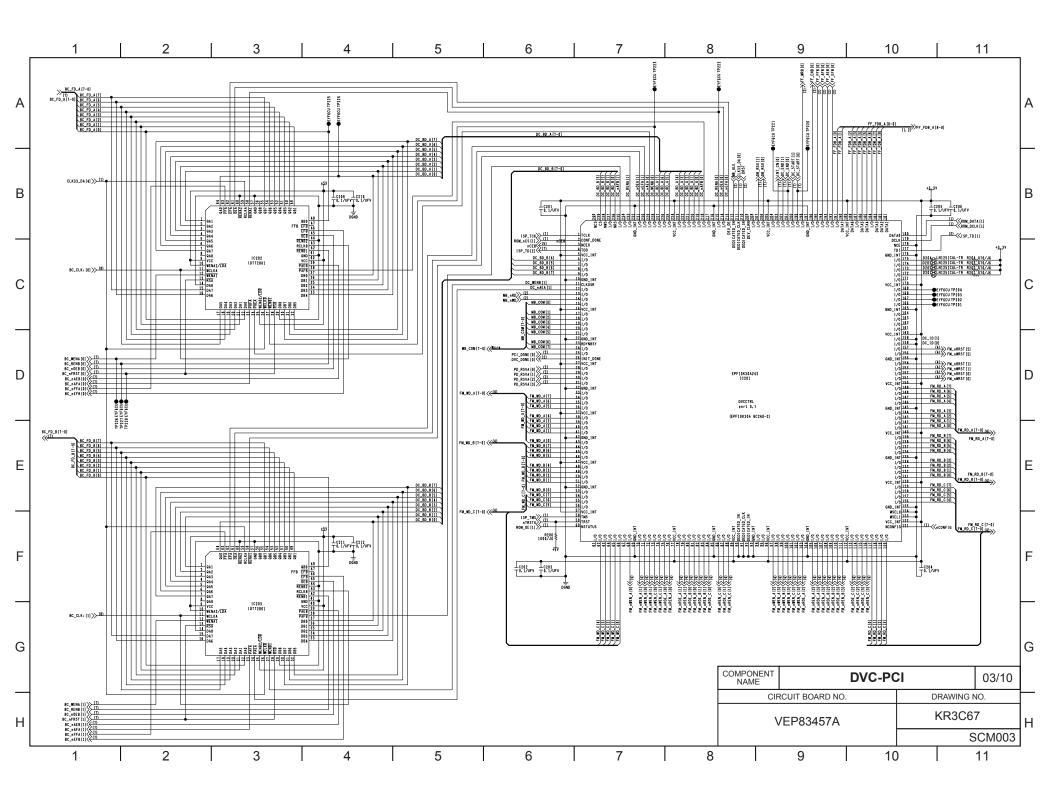
 Please refer to "SDTI I/F SCHEMATIC DIAGRAM 1/5-5/5"

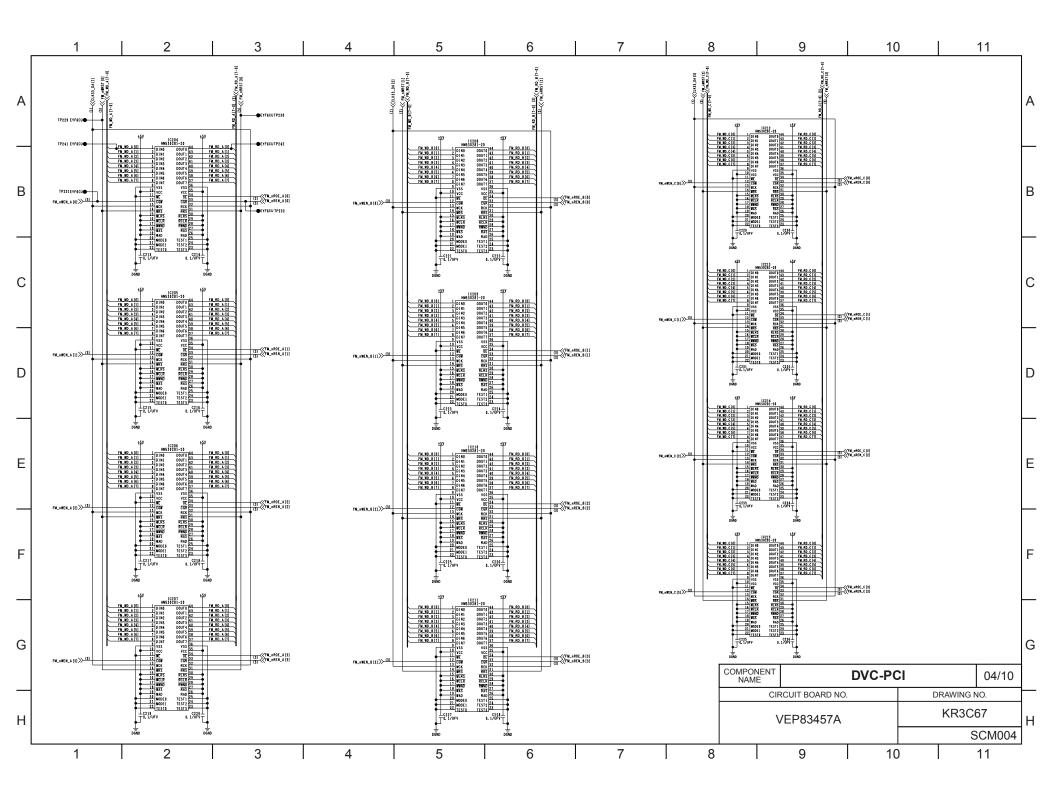
CONTENTS

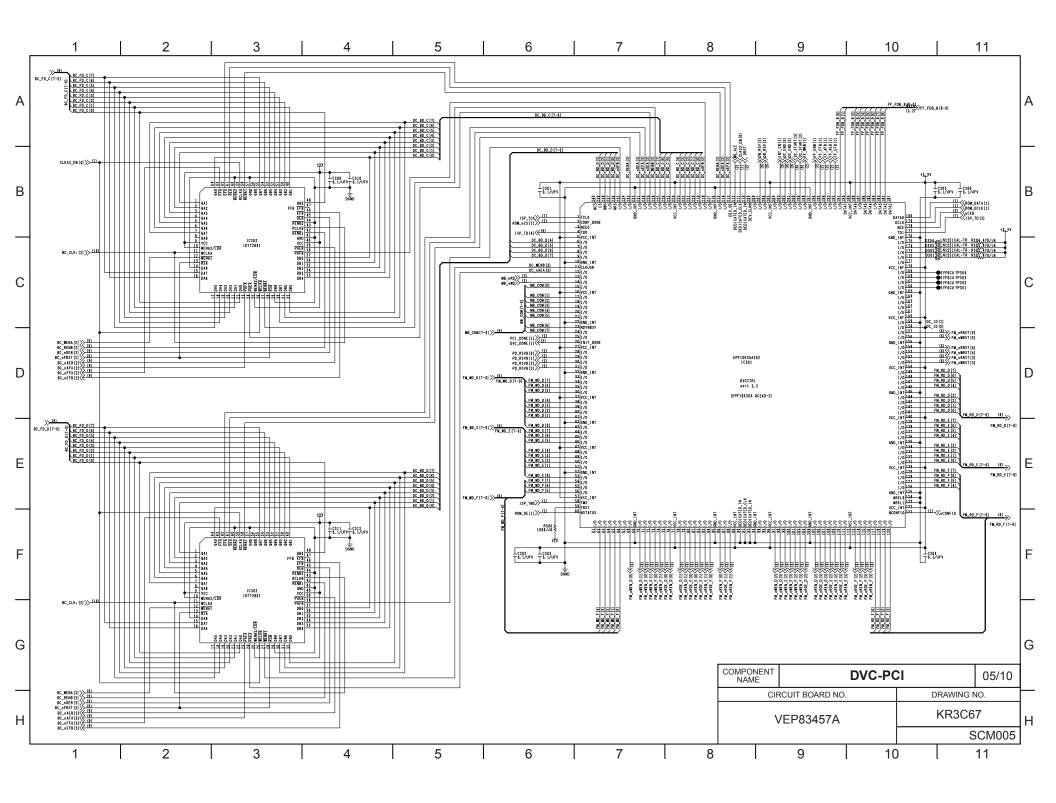
DVC-PCI SCHEMATIC DIAGRAM	
• ISIO SCHEMATIC DIAGRAM	
SDTI MOTHER SCHEMATIC DIAGRAM	
SDTI I/F SCHEMATIC DIAGRAM	
• RAID SCHEMATIC DIAGRAM	
RAID (1960 MEMORY CNT.) SCHEMATIC DIAGRAM	
RAID (FLASH & BUFFER) SCHEMATIC DIAGRAM	
RAID (PIO & ADDRESS DEC.) SCHEMATIC DIAGRAM	. SCM026
RAID (SRAM & UART) SCHEMATIC DIAGRAM	
RAID (SDRAM _DIMM) SCHEMATIC DIAGRAM	
RAID (1960 JTAG & ARDITER PLD) SCHEMATIC DIAGRAM	. SCM029
RAID (1960 PRIMARY PCI) SCHEMATIC DIAGRAM	
RAID (1960 SECONDARY PIC) SCHEMATIC DIAGRAM	
RAID (1960 POWER) SCHEMATIC DIAGRAM	
RAID (2100A_1) SCHEMATIC DIAGRAM	
RAID (2100A_2) SCHEMATIC DIAGRAM	. SCM035
RAID (PRIMARY PCI CONNE.) SCHEMATIC DIAGRAM	. SCM037
RAID (SECONDARY PCI CON.) SCHEMATIC DIAGRAM	. SCM038
RAID (PRIMARY 1240) SCHEMATIC DIAGRAM	
RAID (PRIMARY 1240 SCSI PORT 2 CN.) SCHEMATIC DIAGRAM	. SCM041
RAID (PCB POWER INPUT) SCHEMATIC DIAGRAM	. SCM042
RAID (SECONDARY 1240_1) SCHEMATIC DIAGRAM	. SCM043
RAID (SECONDARY 1240_2) SCHEMATIC DIAGRAM	. SCM045
RAID (SECONDARY 1240_3) SCHEMATIC DIAGRAM	. SCM047
RAID (SECONDARY 1240_4) SCHEMATIC DIAGRAM	. SCM049
RAID (SECONDARY 1240_5) SCHEMATIC DIAGRAM	. SCM051
RAID (SCSI BUS CO.) SCHEMATIC DIAGRAM	
HDD MOTHER SCHEMATIC DIAGRAM	
• FRONT MAIN SCHEMATIC DIAGRAM	
• FRONT KEY SCHEMATIC DIAGRAM	
• FRONT FUNCTION KEY SCHEMATIC DIAGRAM	
• FRONT LED SCHEMATIC DIAGRAM	
POWER 1 SCHEMATIC DIAGRAM	
POWER 2 SCHEMATIC DIAGRAM	
ALARM SUB SCHEMATIC DIAGRAM	
VIDEO DECODER SCHEMATIC DIAGRAM	
V IN (CONECT) SCHEMATIC DIAGRAM	
V IN (INTERFACE) SCHEMATIC DIAGRAM	
VIDEO I/O (Y/C SEP) SCHEMATIC DIAGRAM	
VIDEO I/O (SYNC SEP) SCHEMATIC DIAGRAM	
VIDEO I/O (C DECODER) SCHEMATIC DIAGRAM	
VIDEO I/O (CF DET) SCHEMATIC DIAGRAM	
VIDEO I/O (BUFFER OSC) SCHEMATIC DIAGRAM	
VIDEO I/O (YADC) SCHEMATIC DIAGRAM	
VIDEO I/O (CADC) SCHEMATIC DIAGRAM	
VIDEO I/O (EVR) SCHEMATIC DIAGRAM	
REC PB (IN PLL) SCHEMATIC DIAGRAM	
V IN (135M PLL) SCHEMATIC DIAGRAM	
V IN (TBC CTRL) SCHEMATIC DIAGRAM	
V IN (TBC) SCHEMATIC DIAGRAM	
V IN (OUT BUFFER) SCHEMATIC DIAGRAM	
VIDEO CONTROL SCHEMATIC DIAGRAM	
AV I/O (INPUT SEL) SCHEMATIC DIAGRAM	
COLOR FRAME PULSE & POWER SCHEMATIC DIAGRAM	
POWER RELAY SCHEMATIC DIAGRAM	
ALL SYSTEM SCHEMATIC DIAGRAM	. SCM085

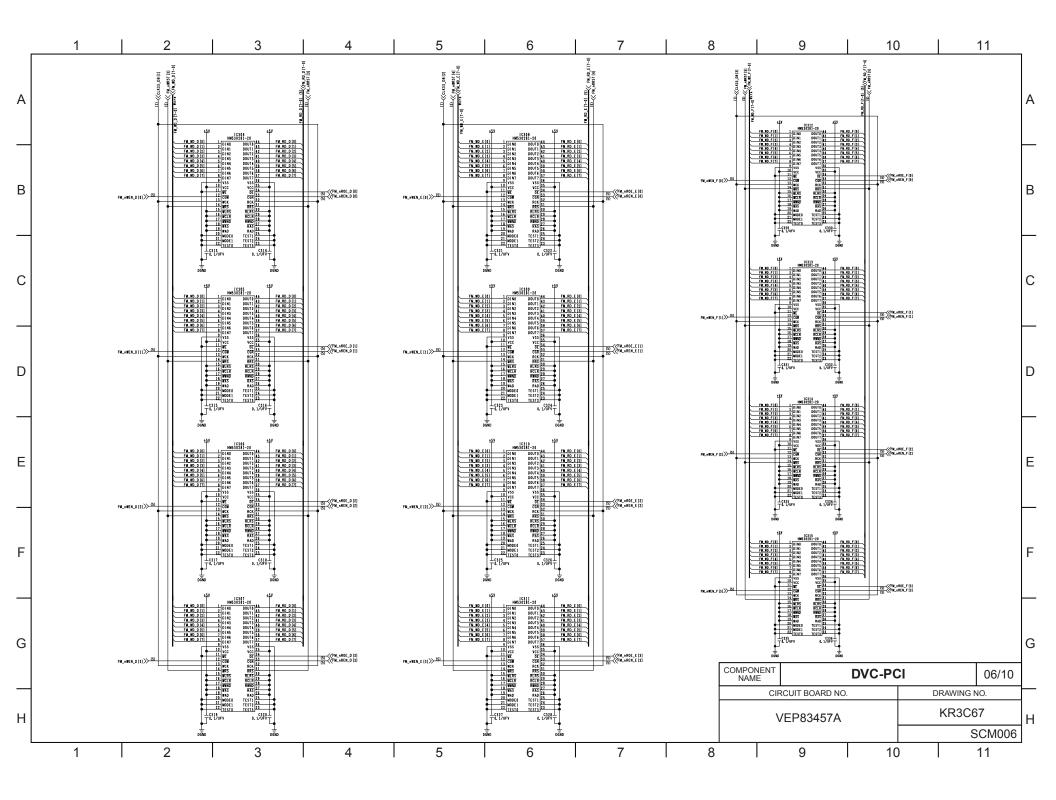


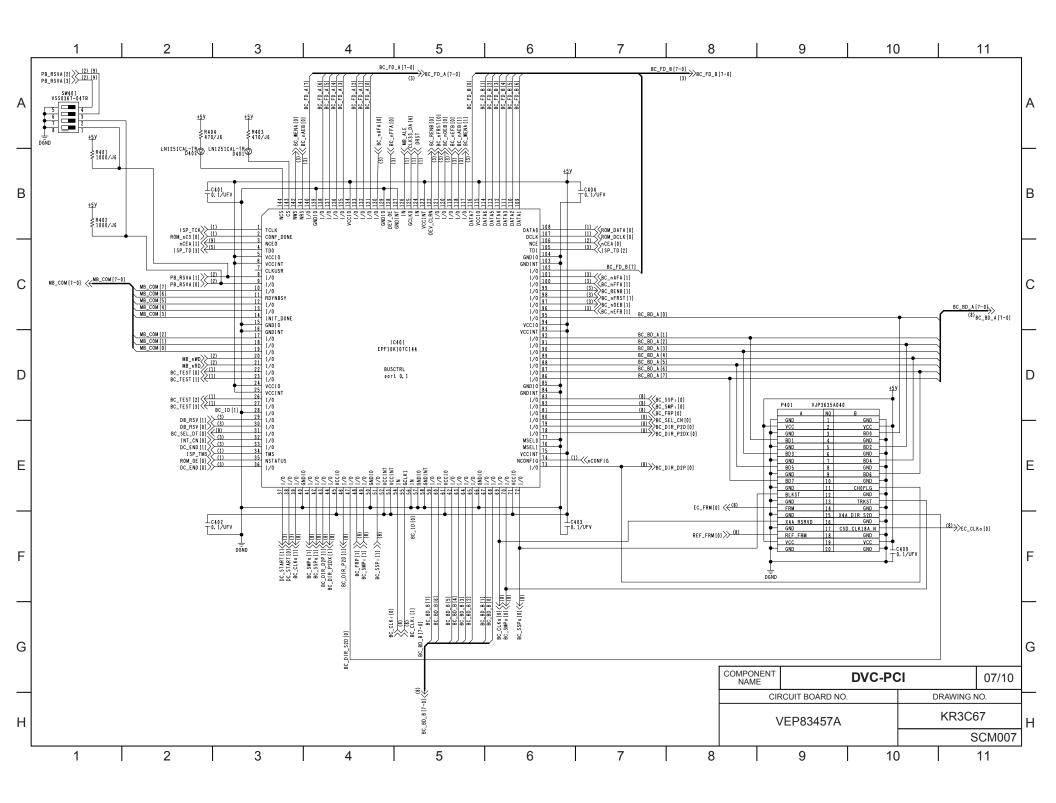


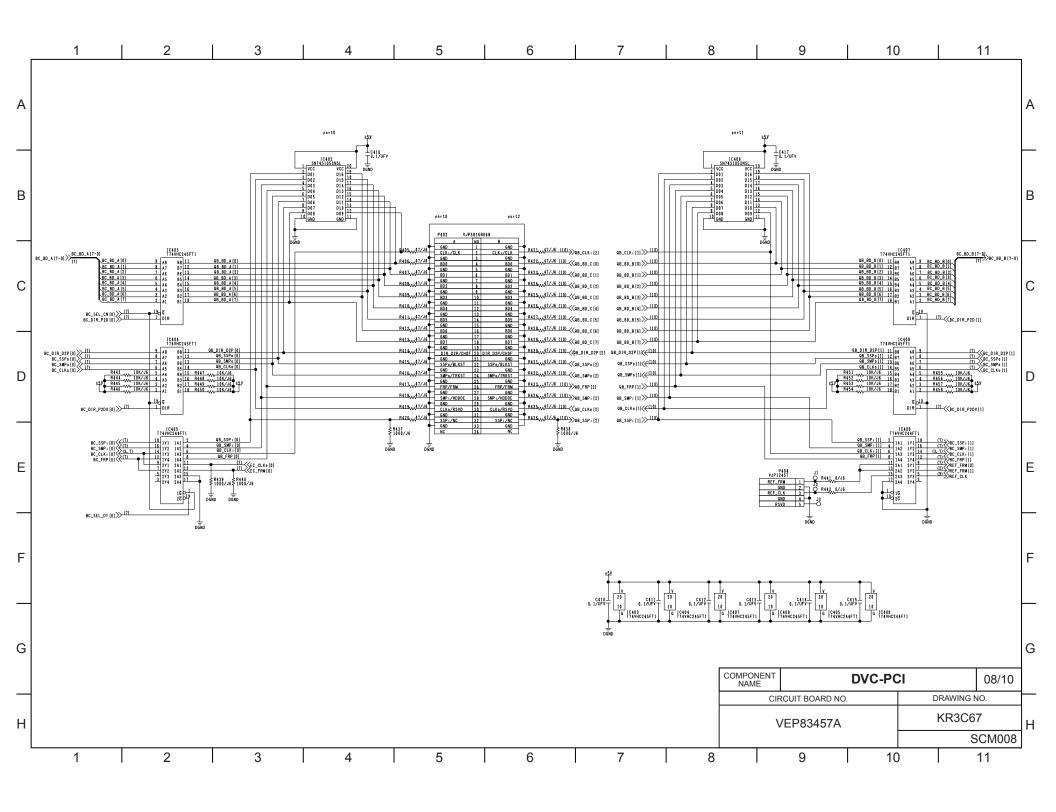


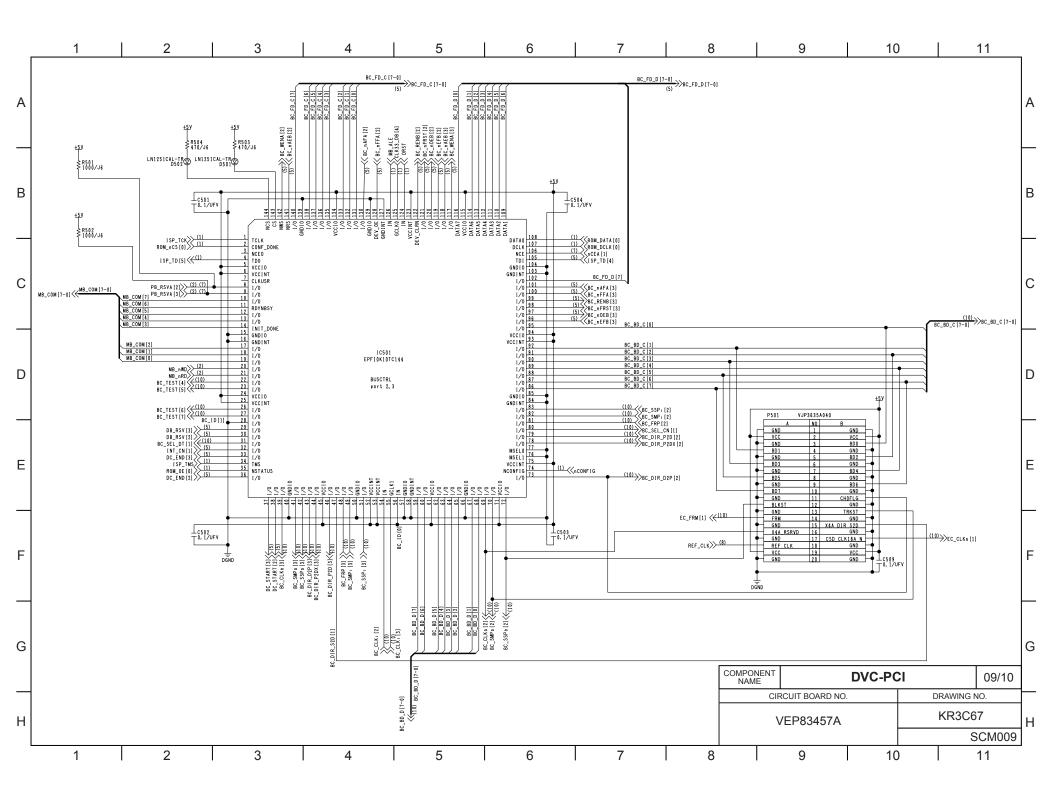


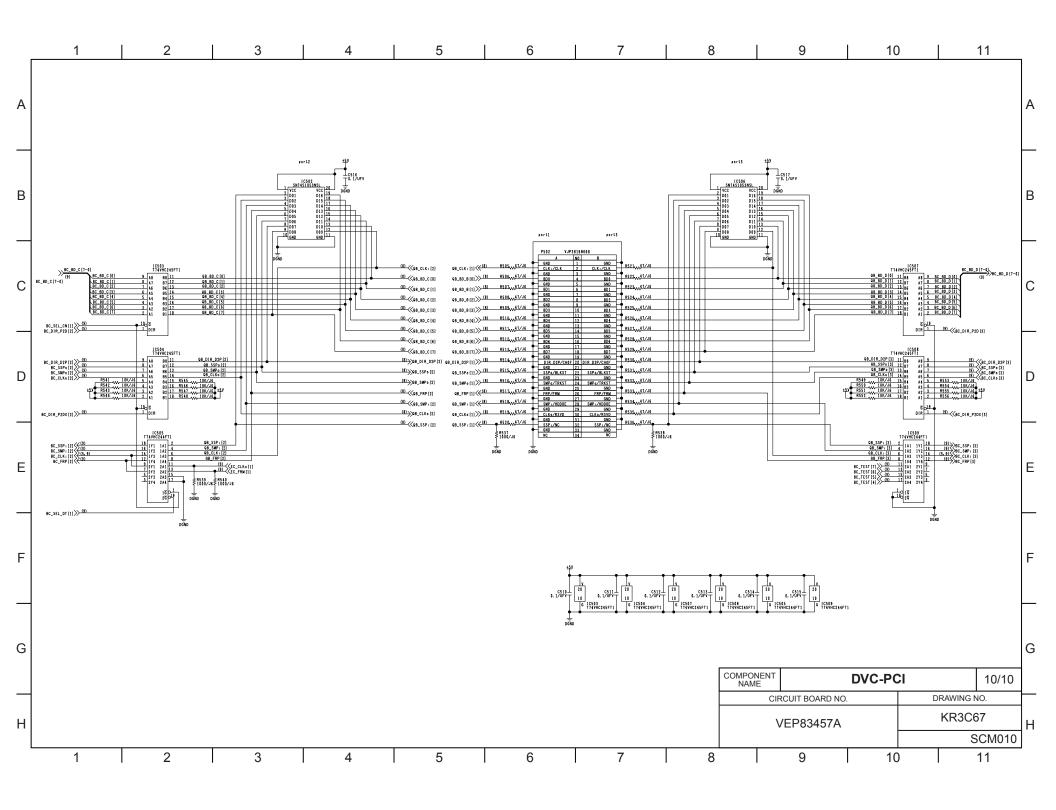


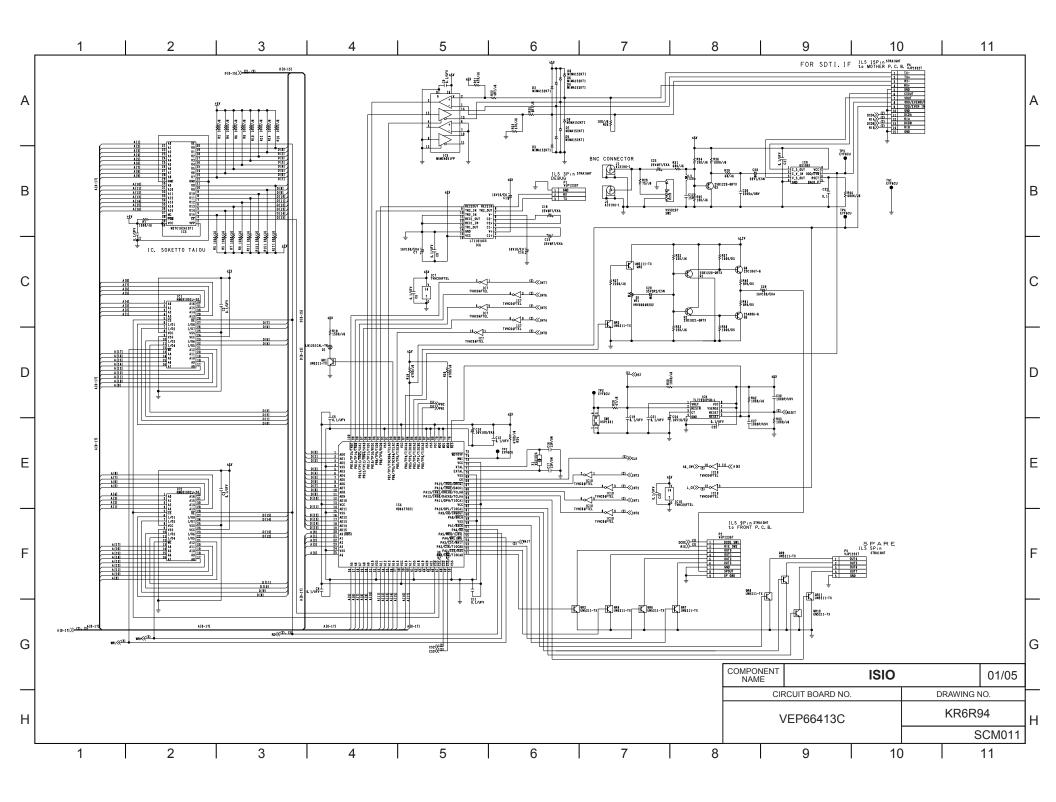


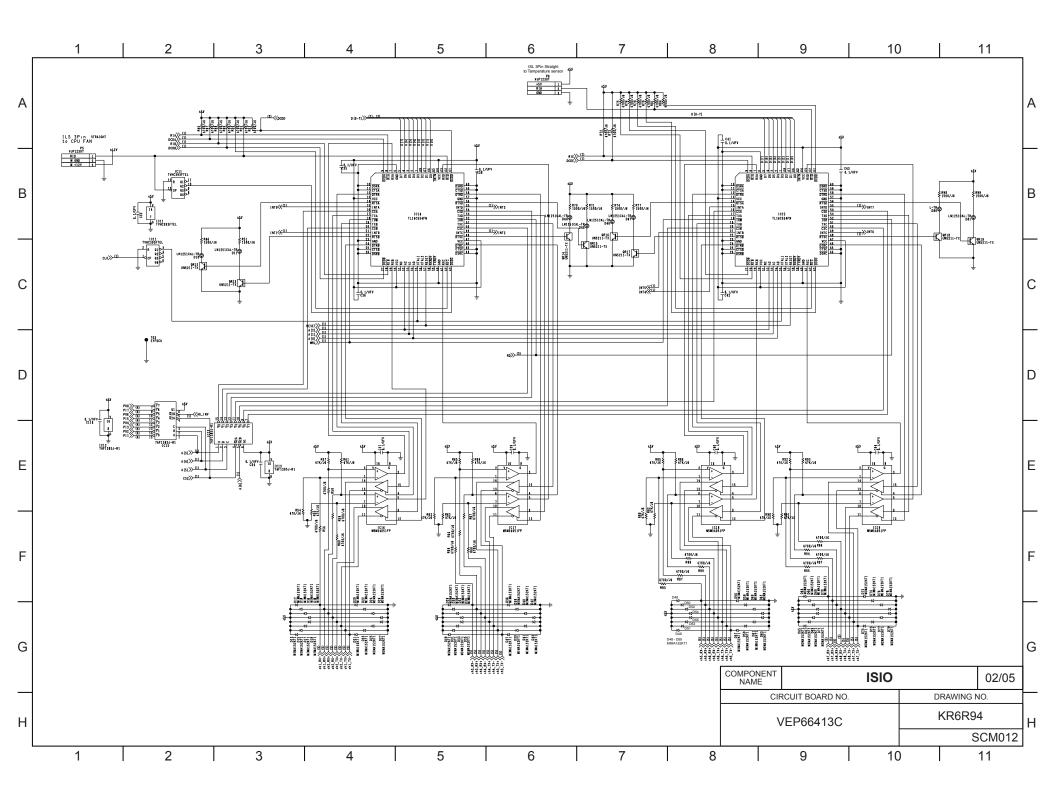


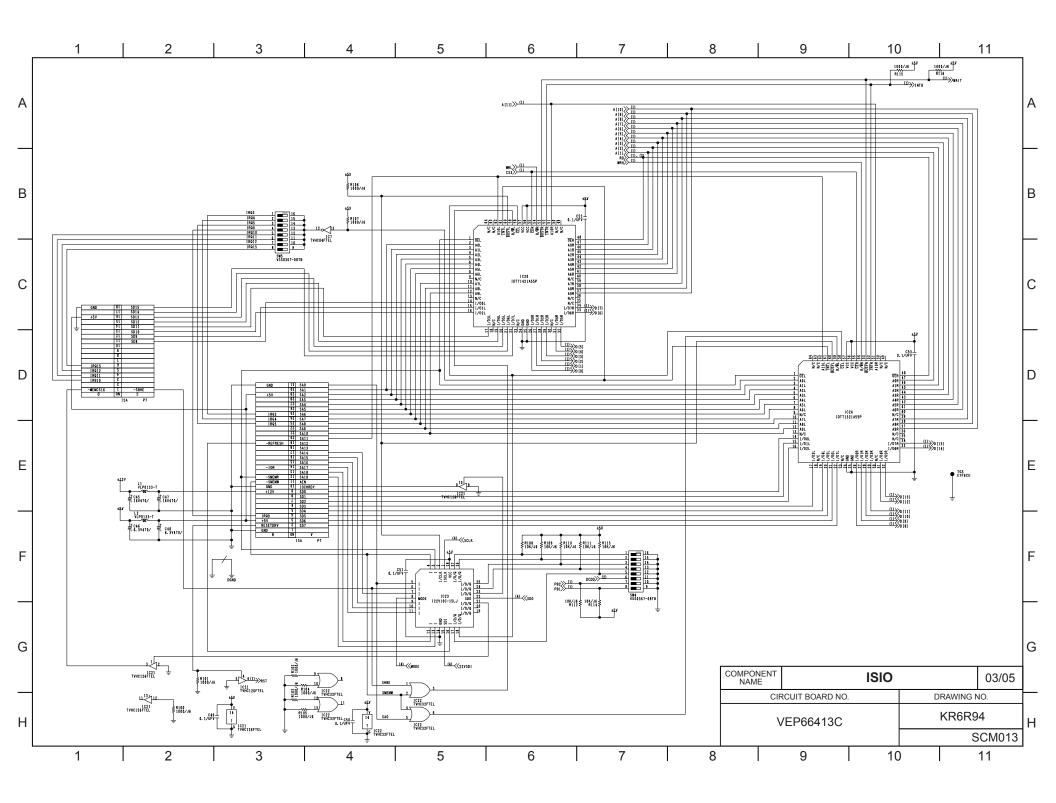


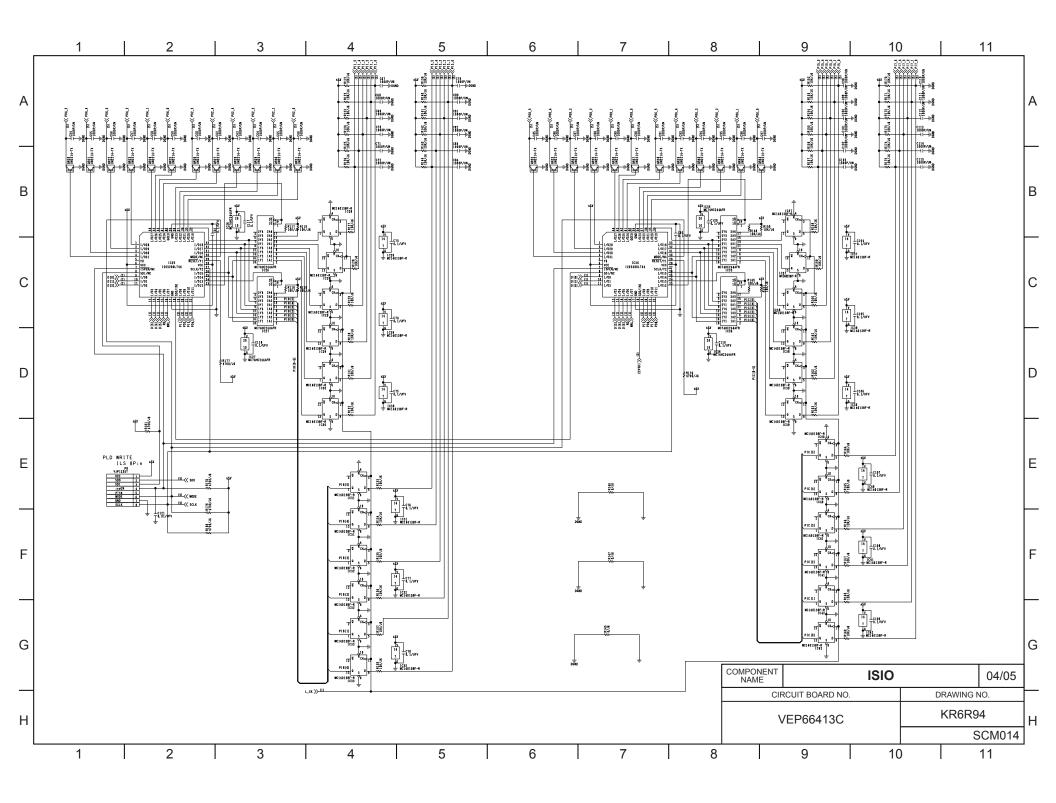


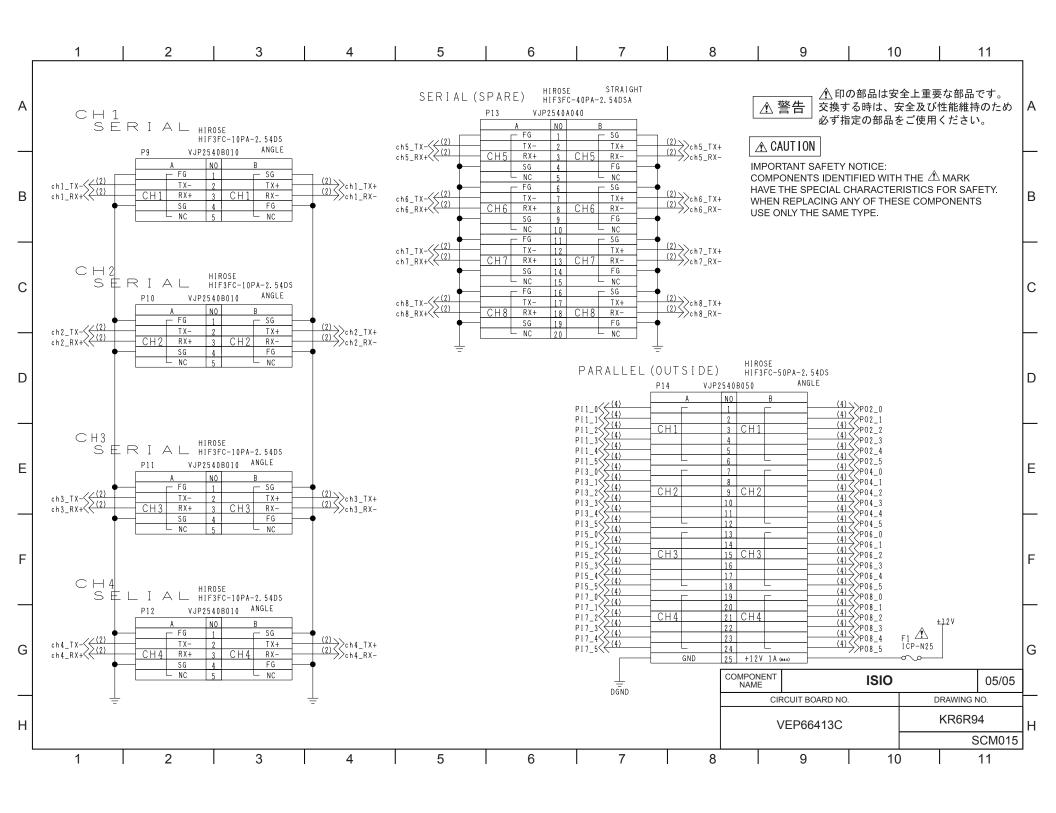


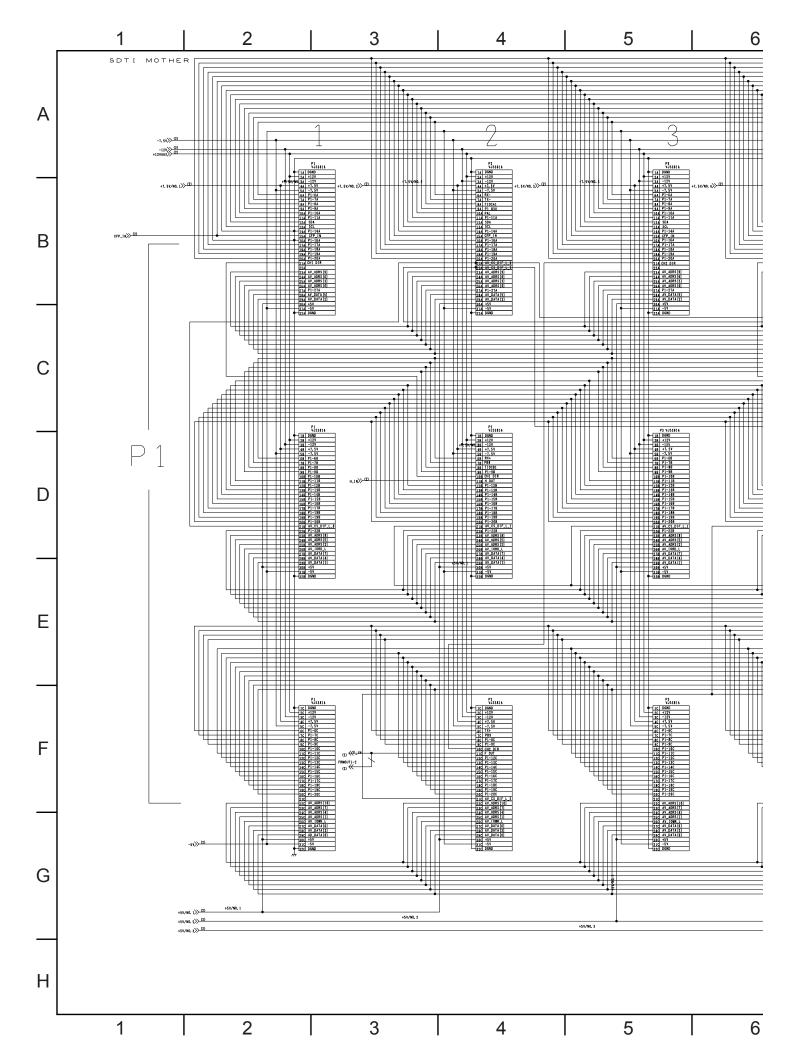


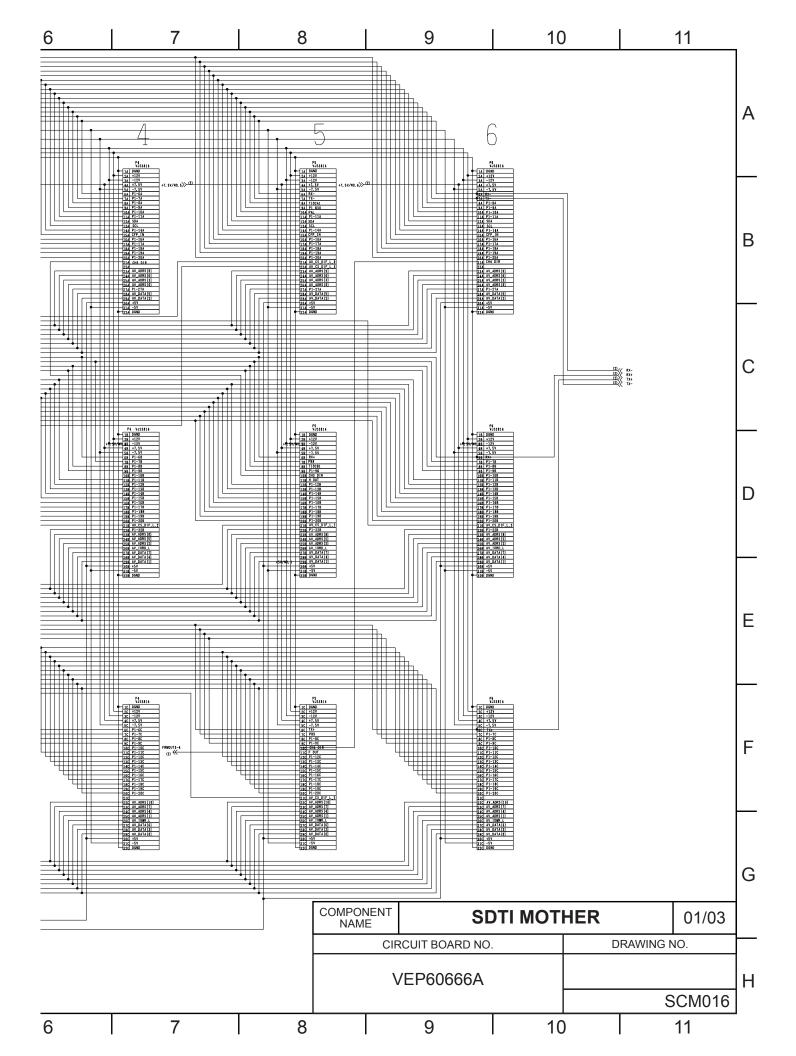


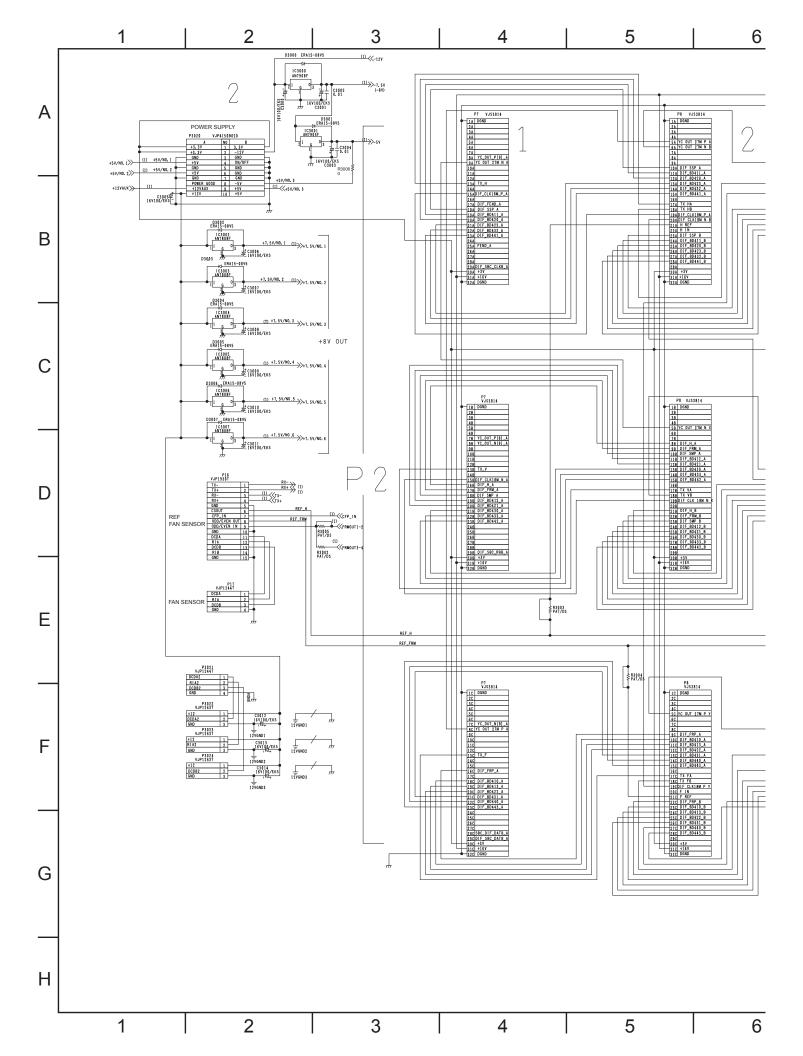


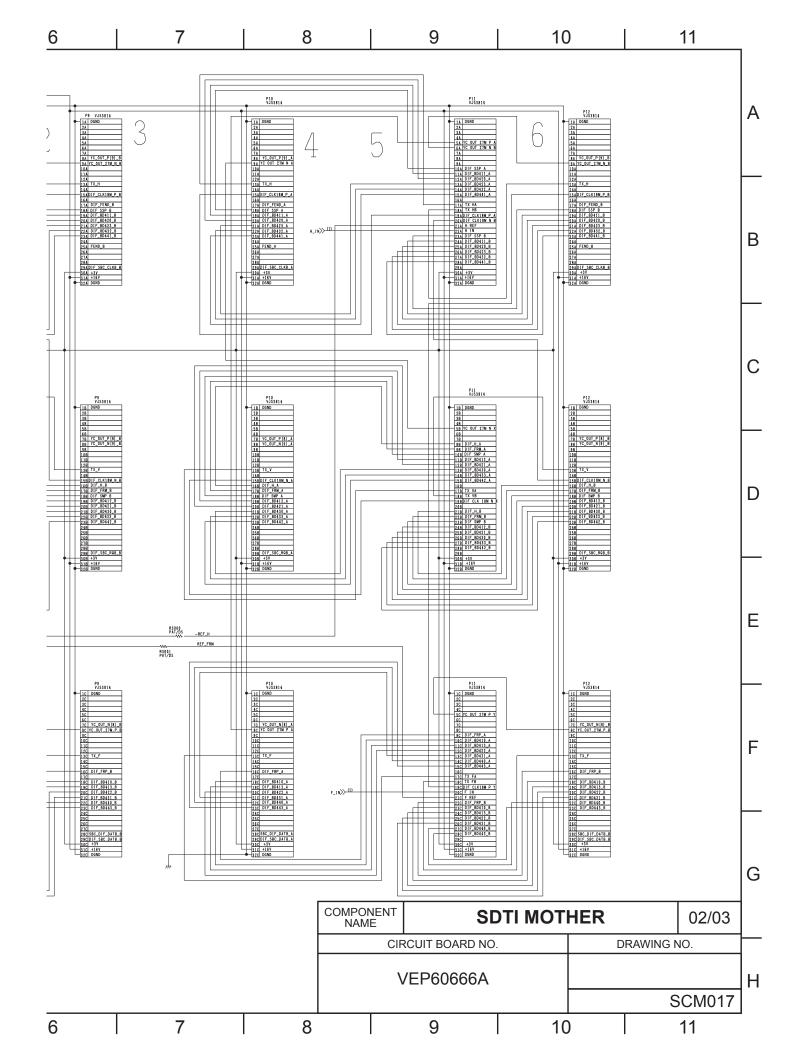


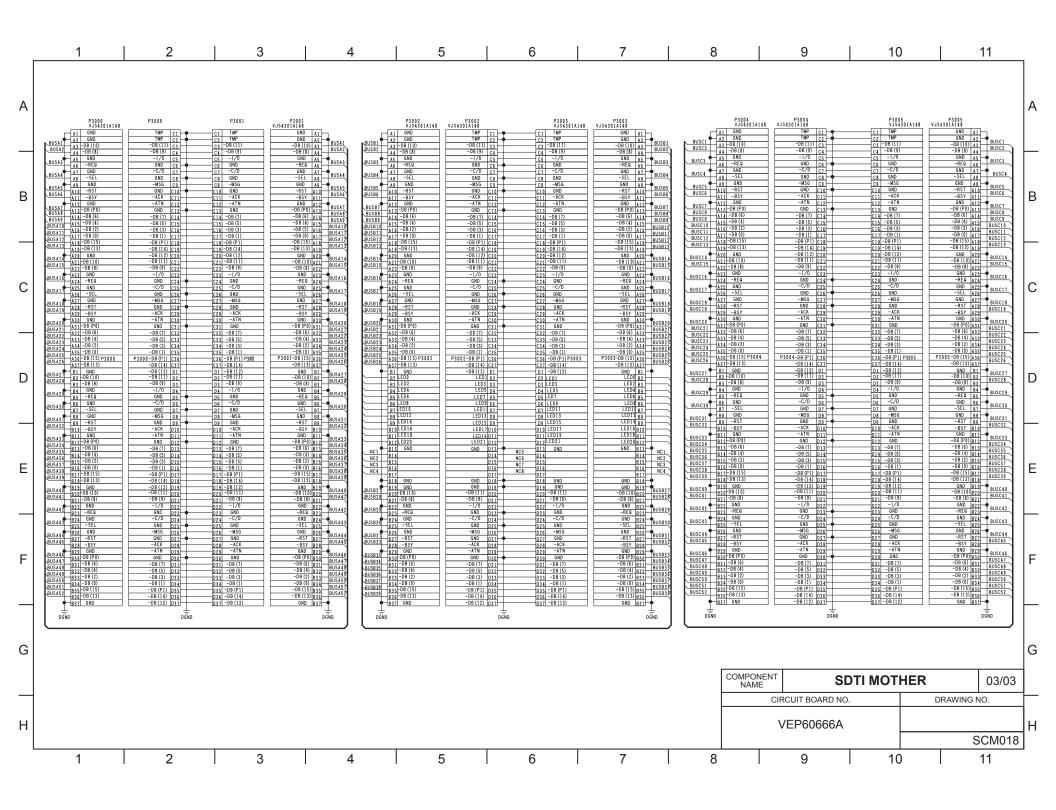


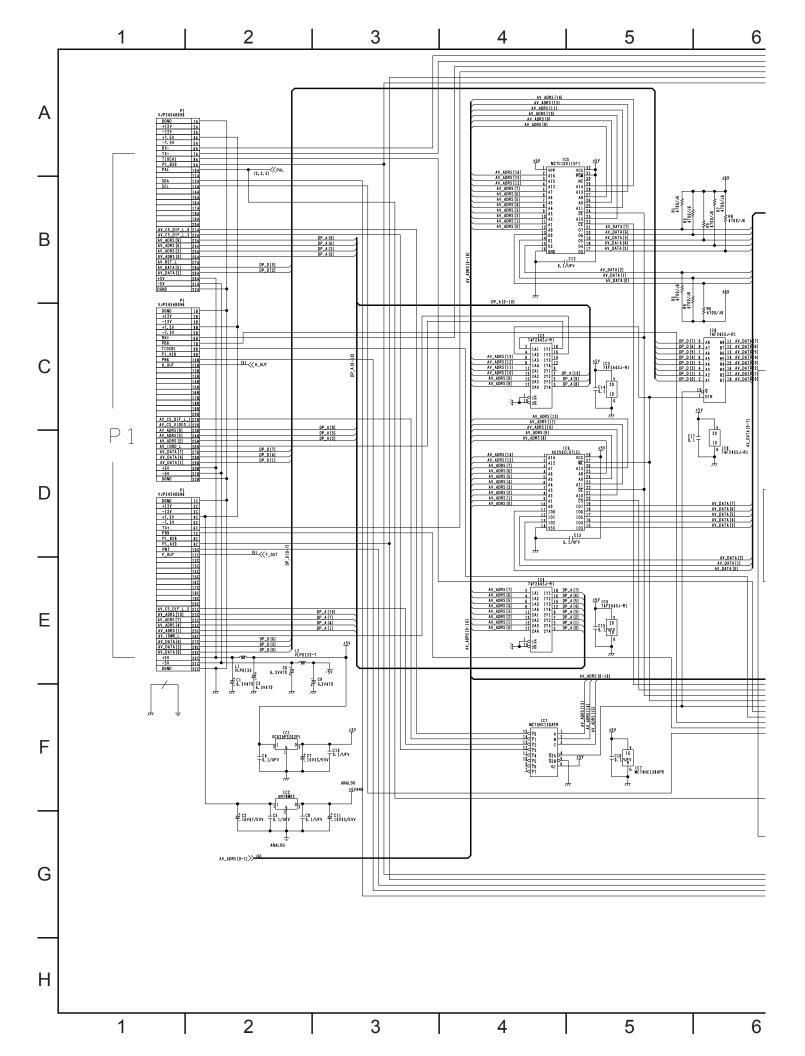


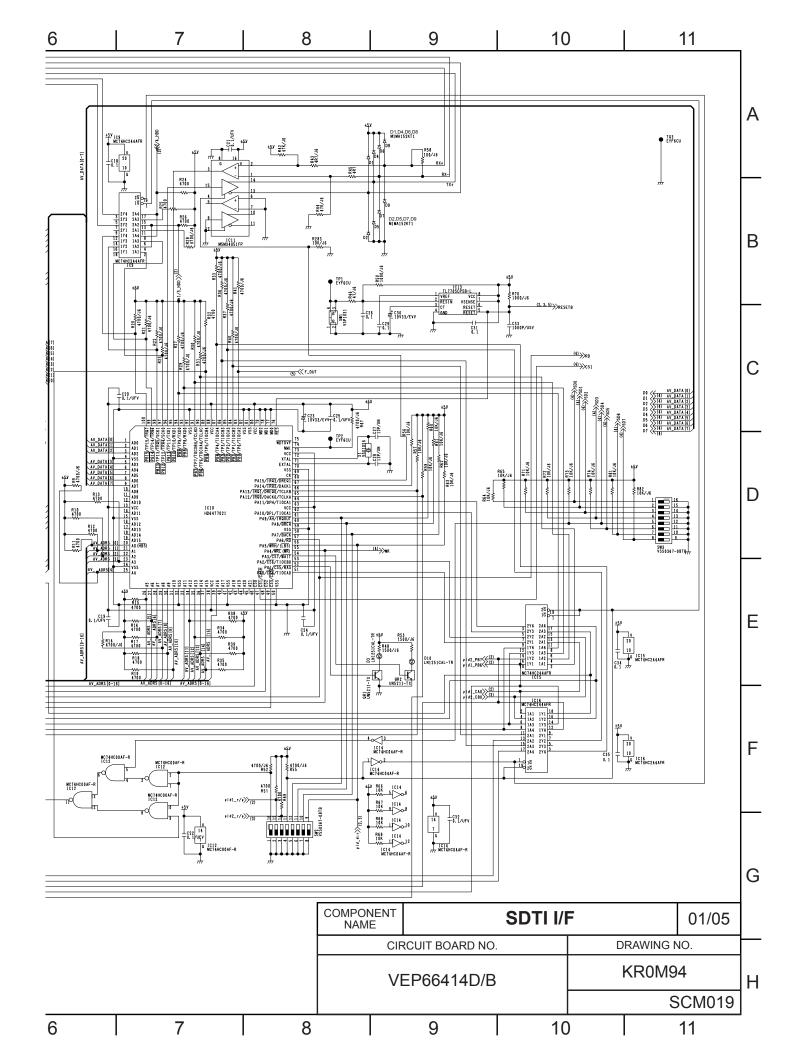


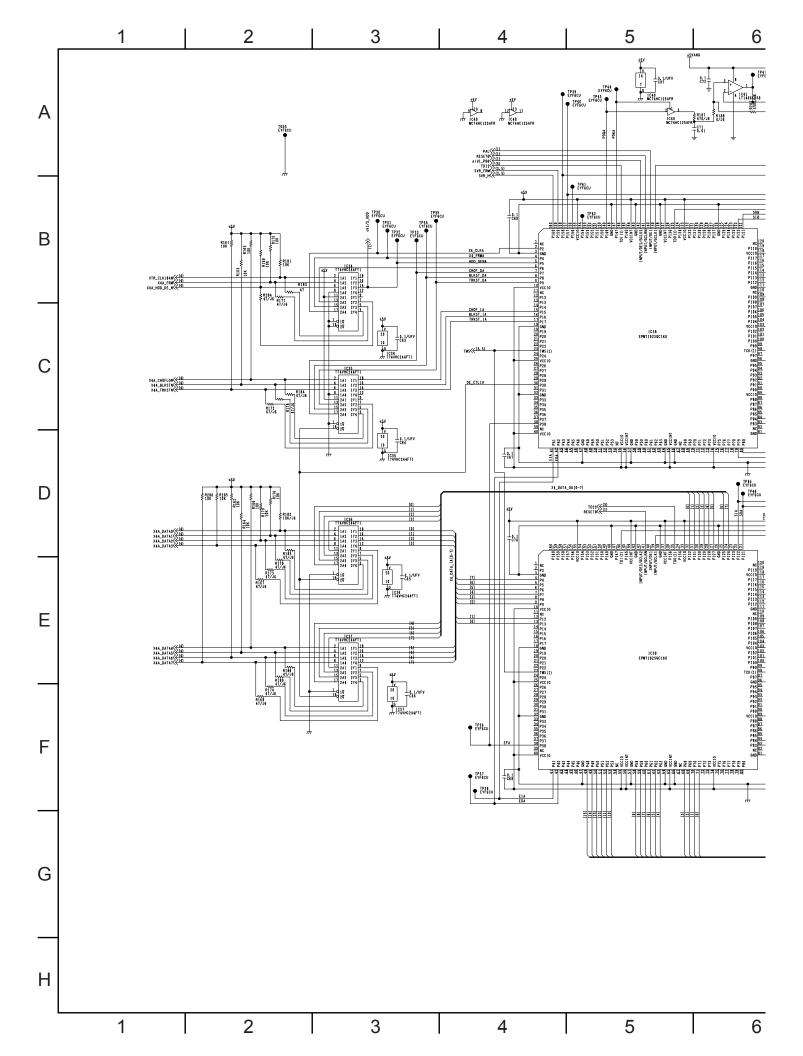


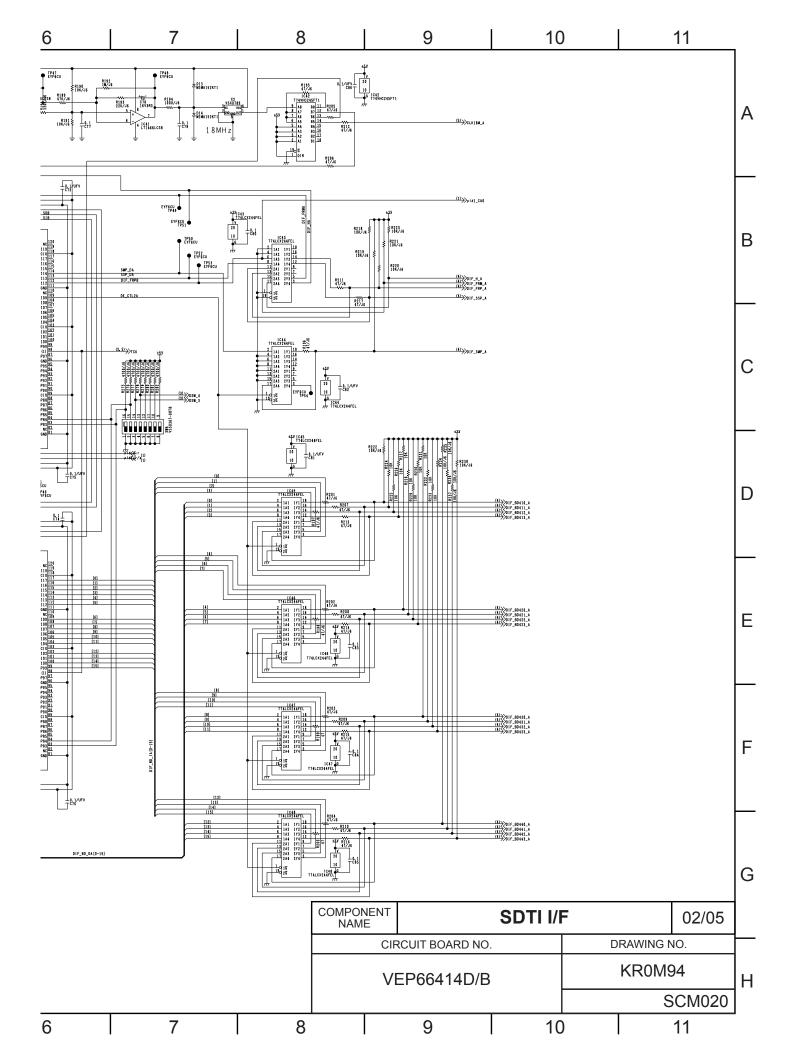


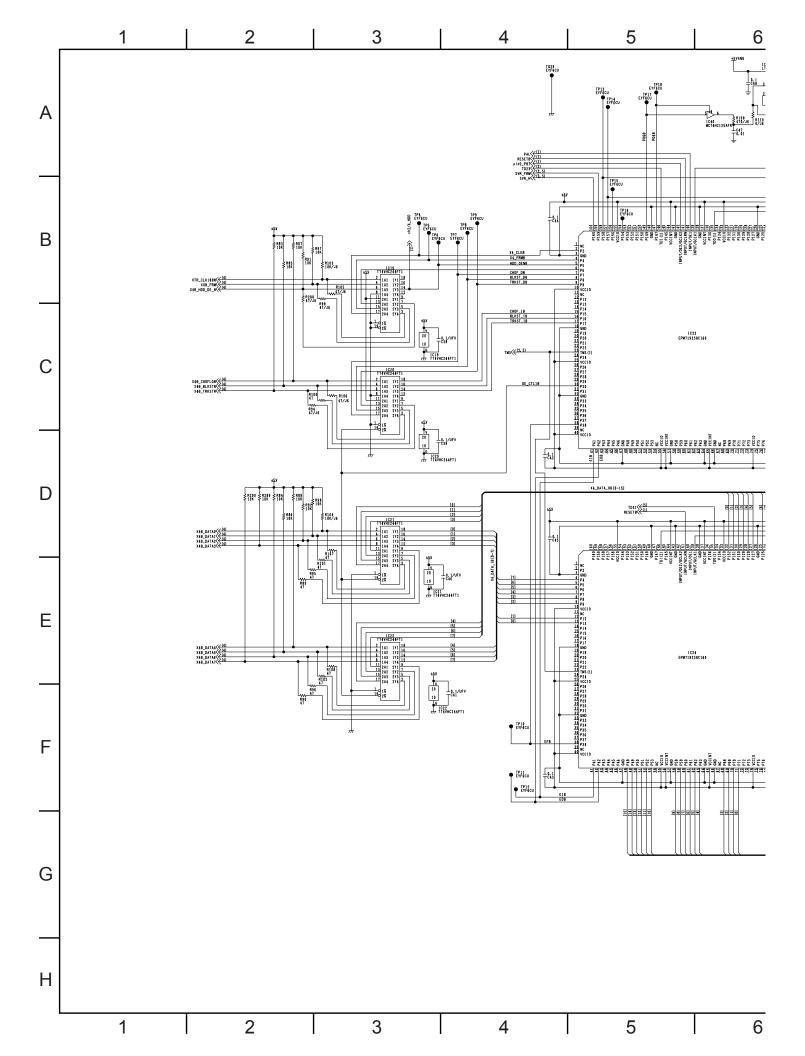


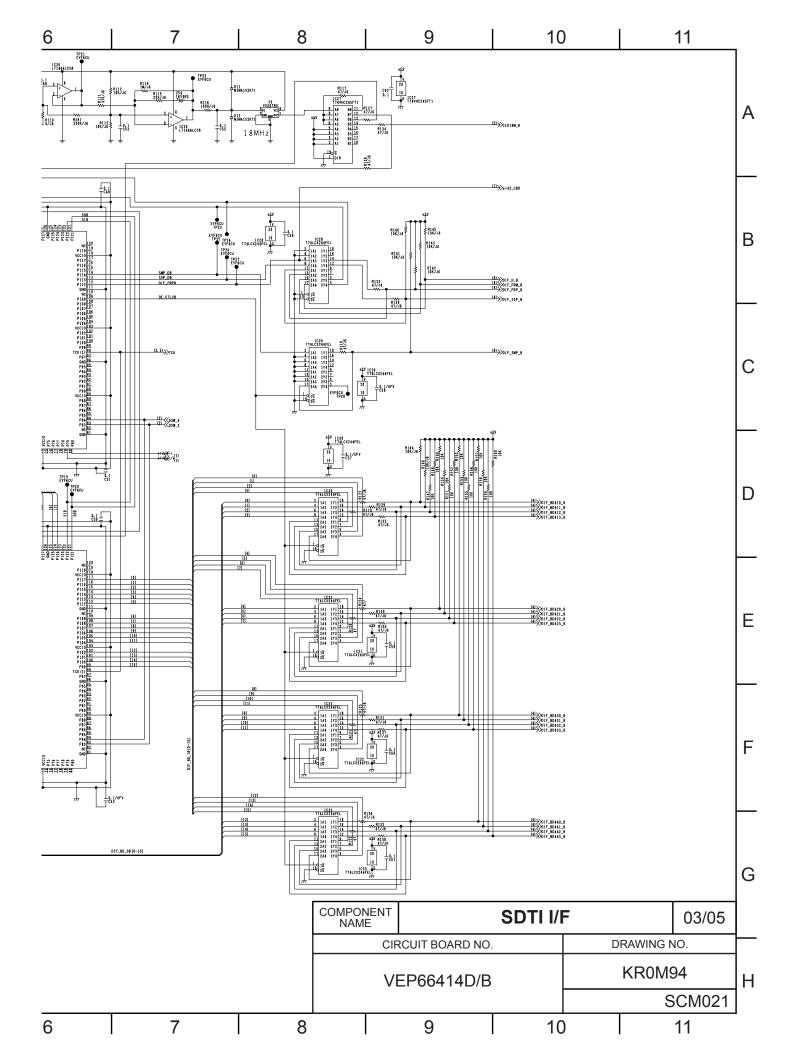


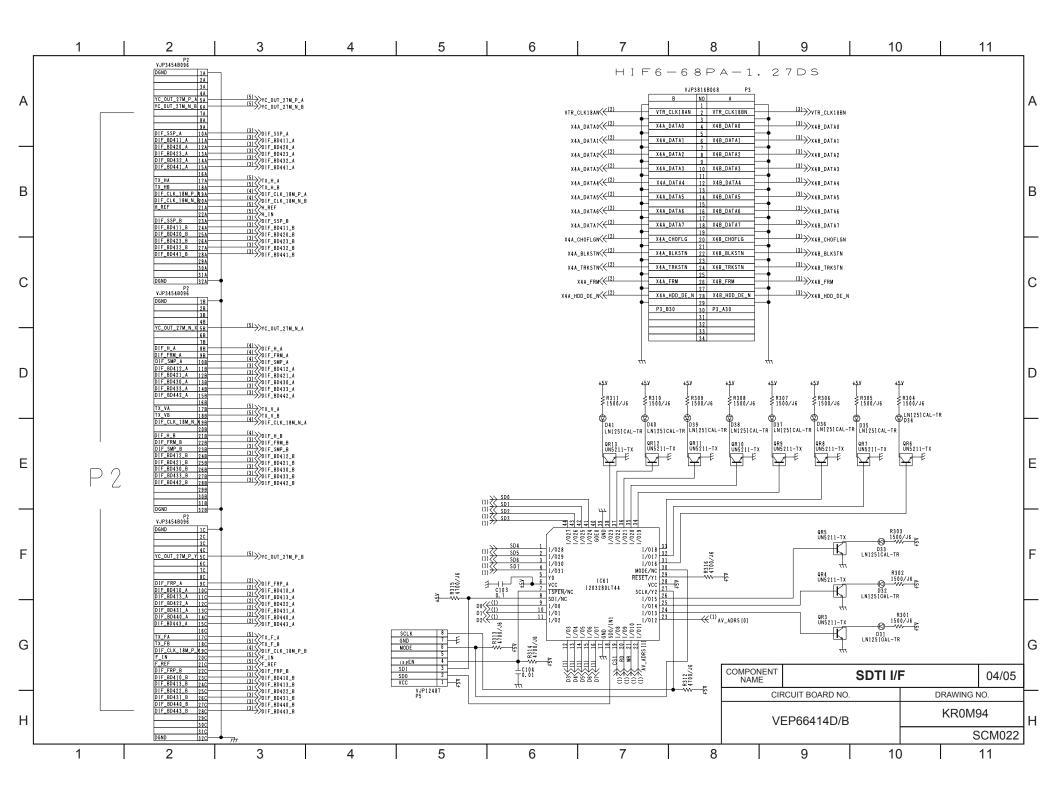


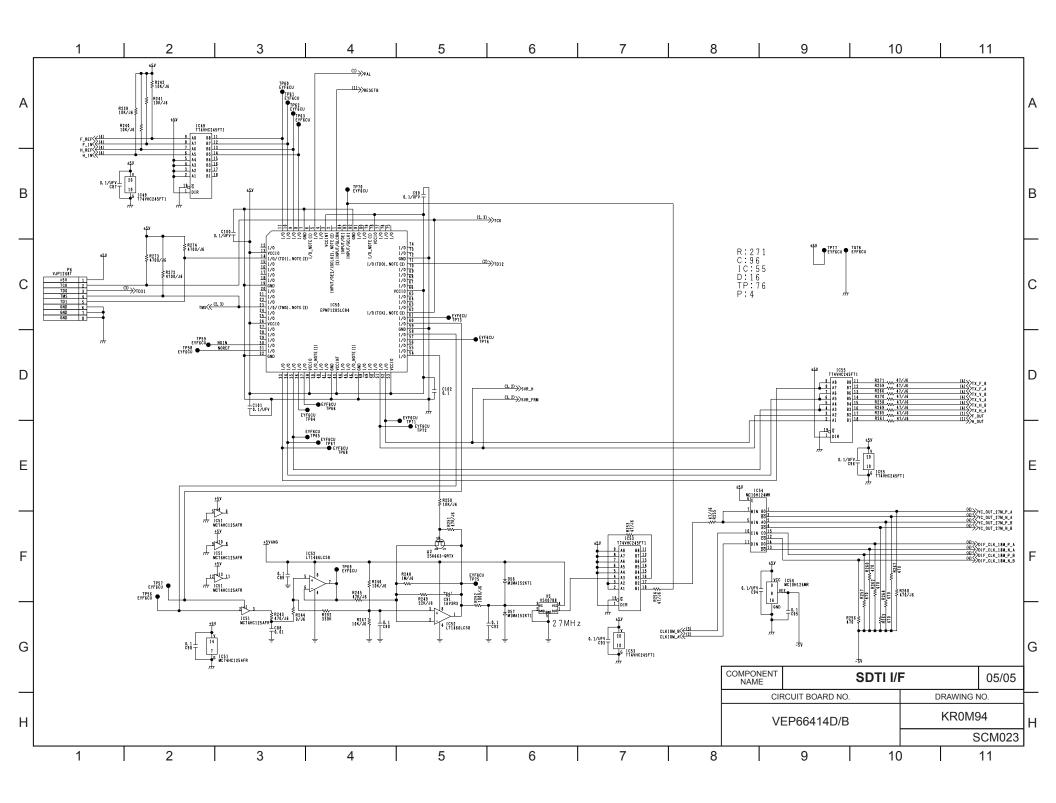


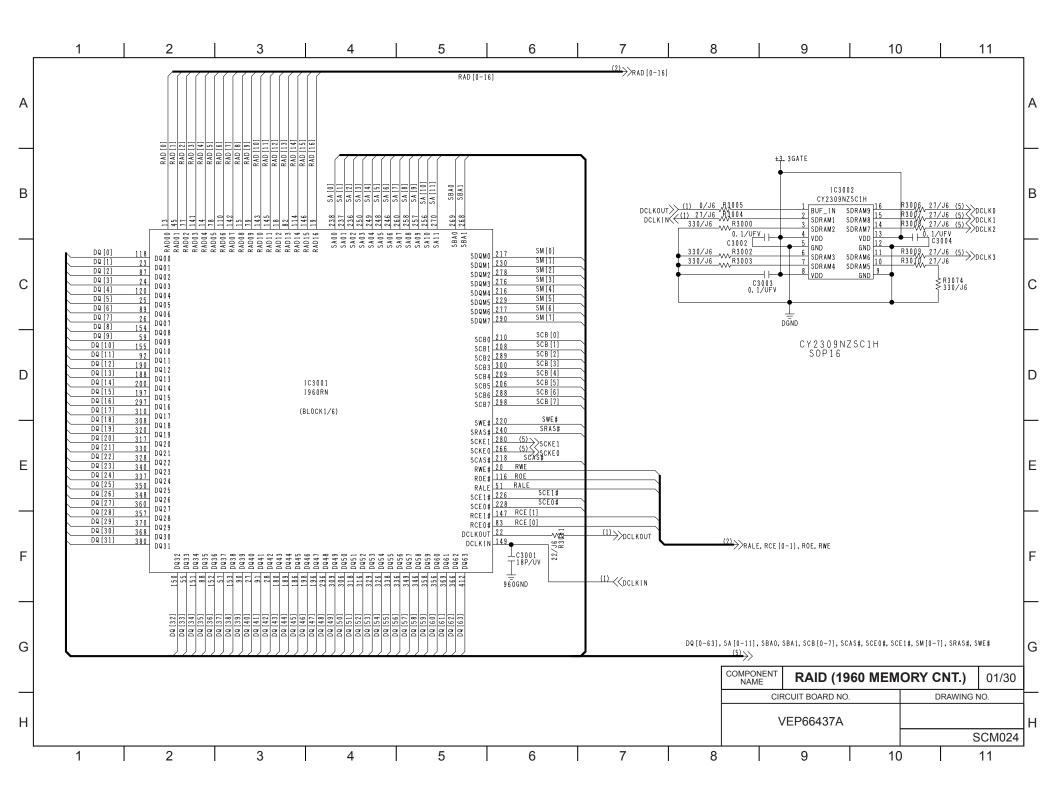


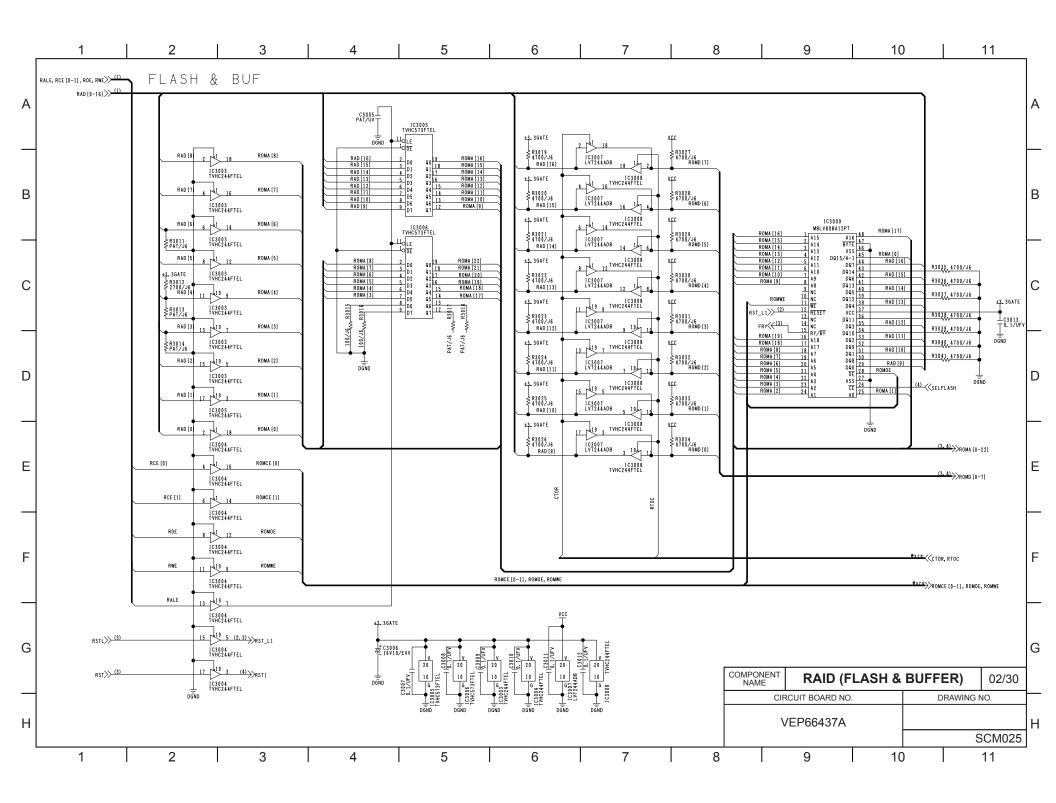


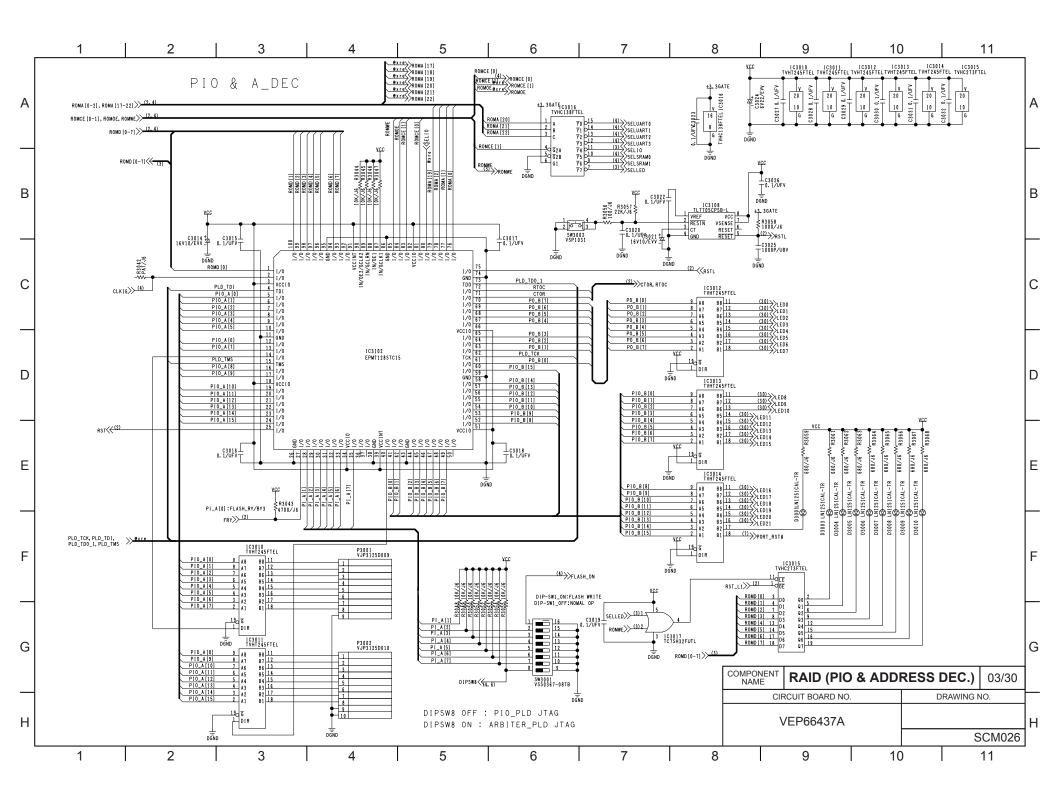


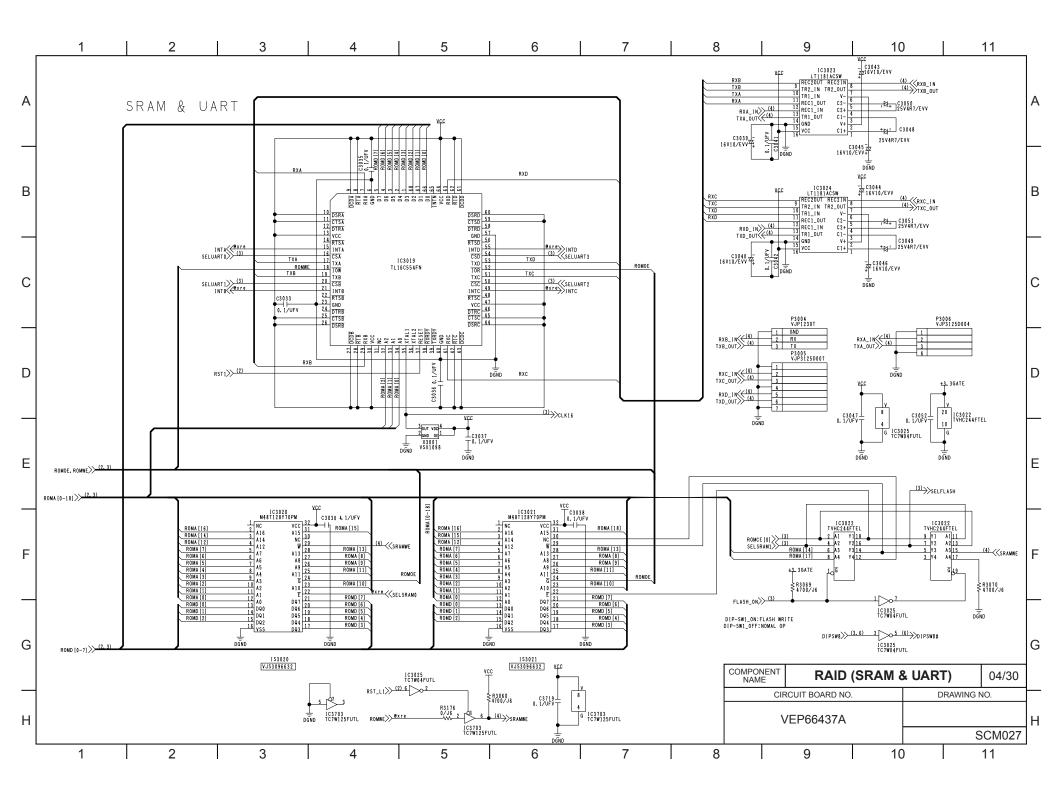


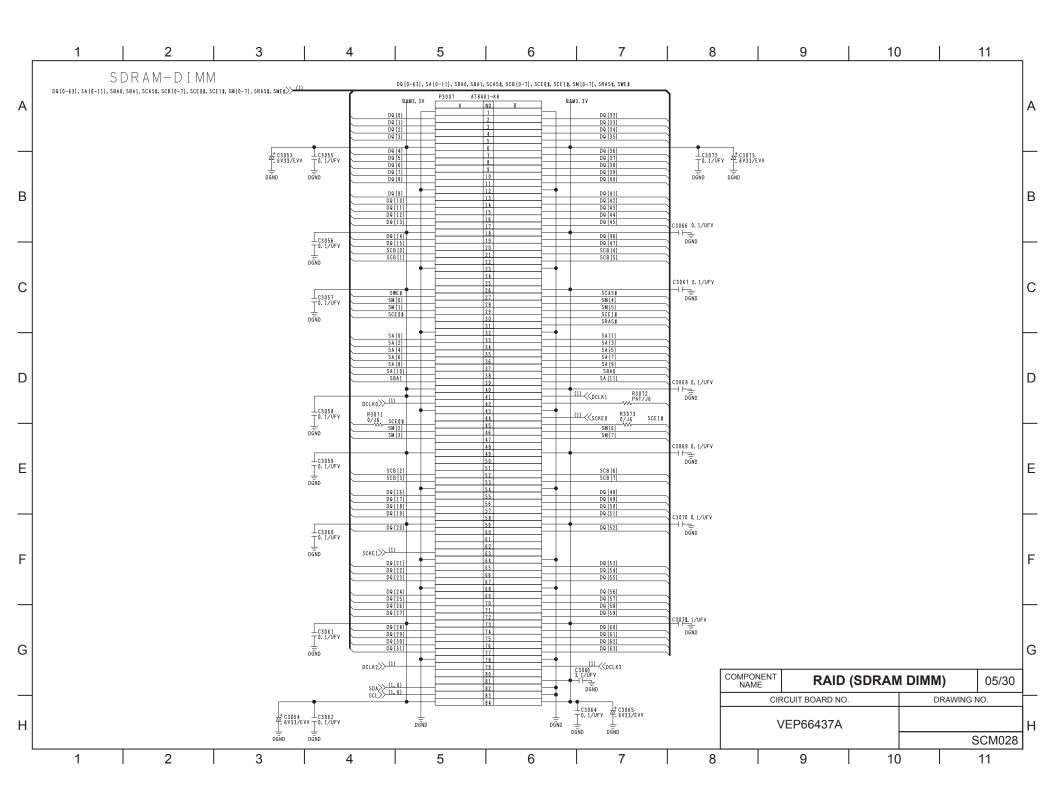


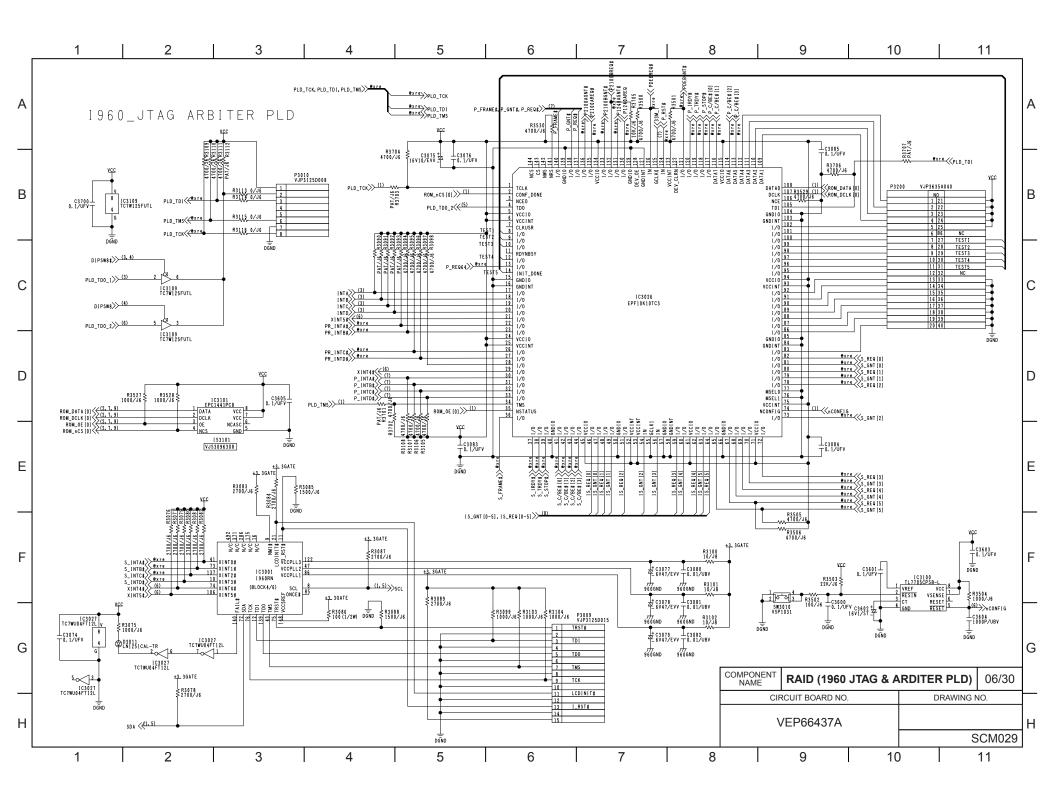


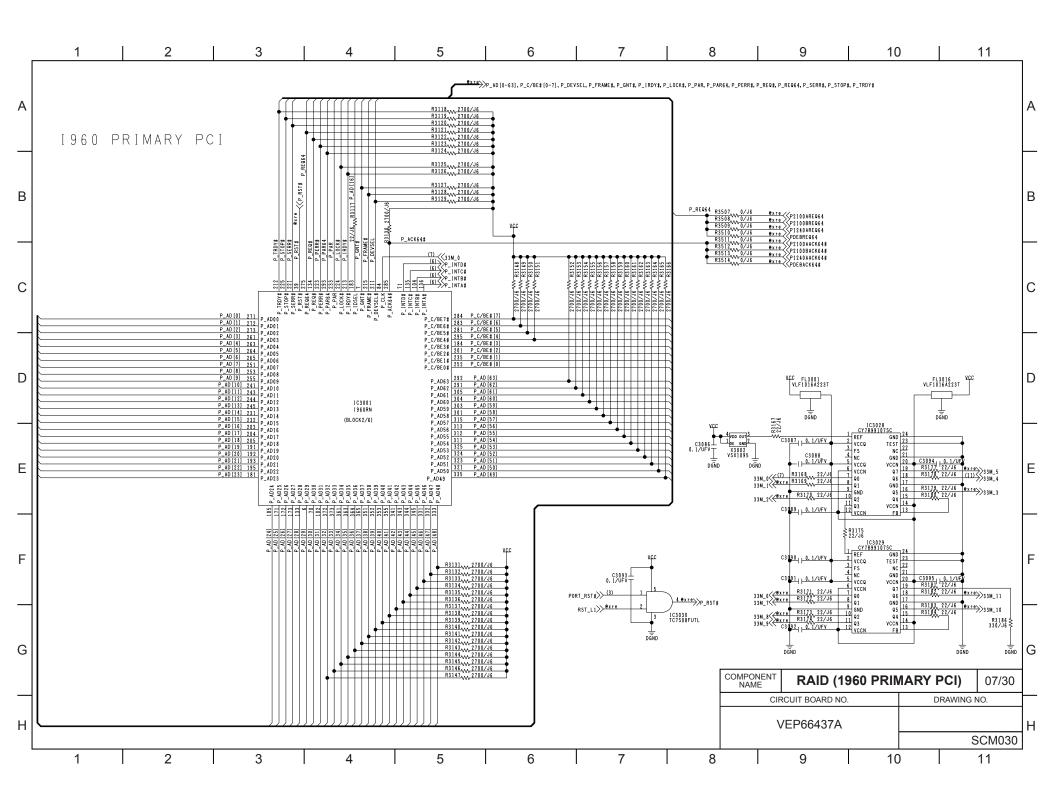


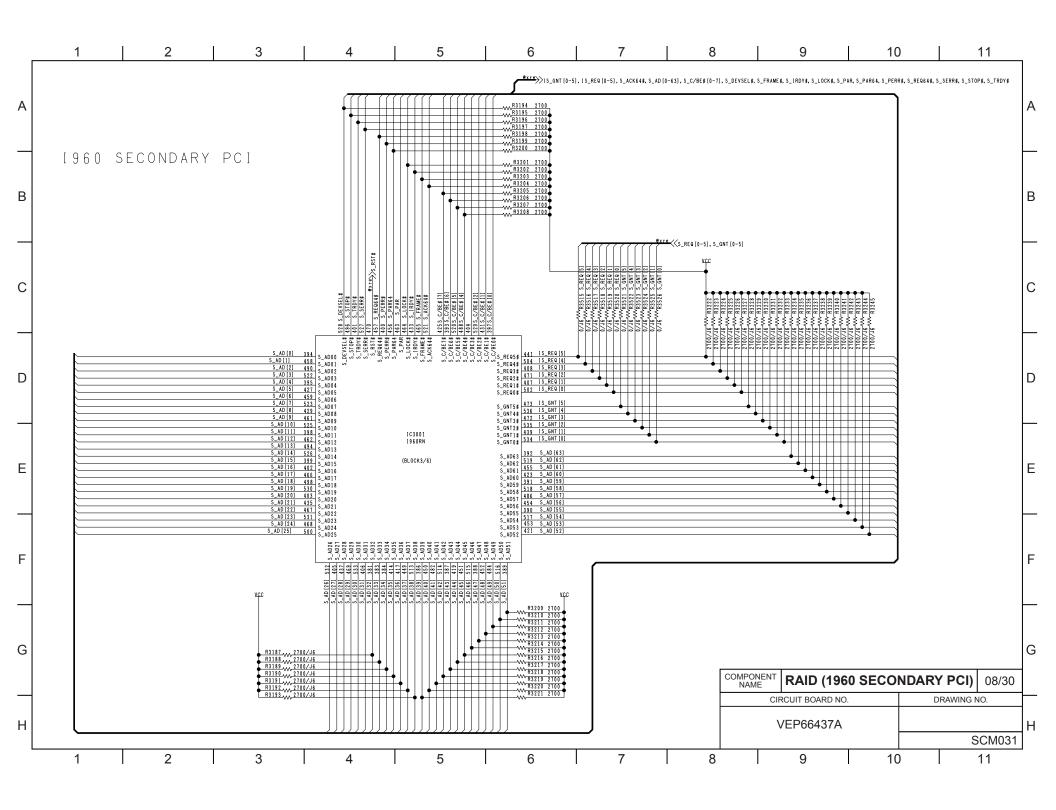


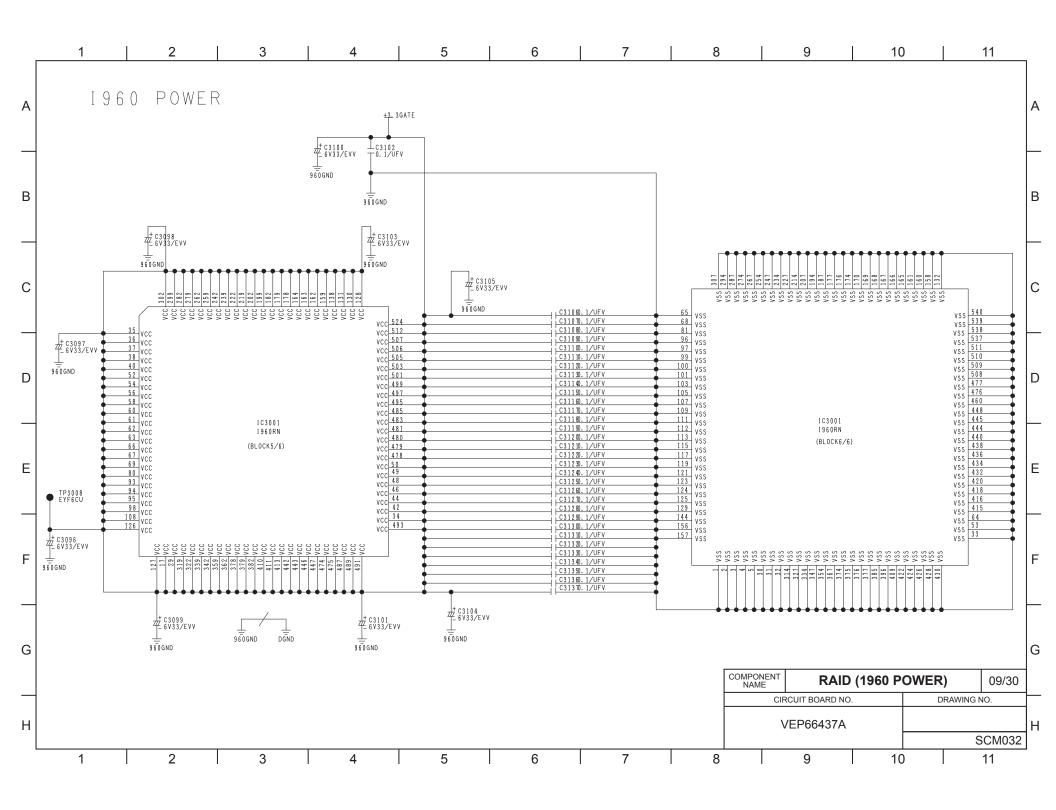


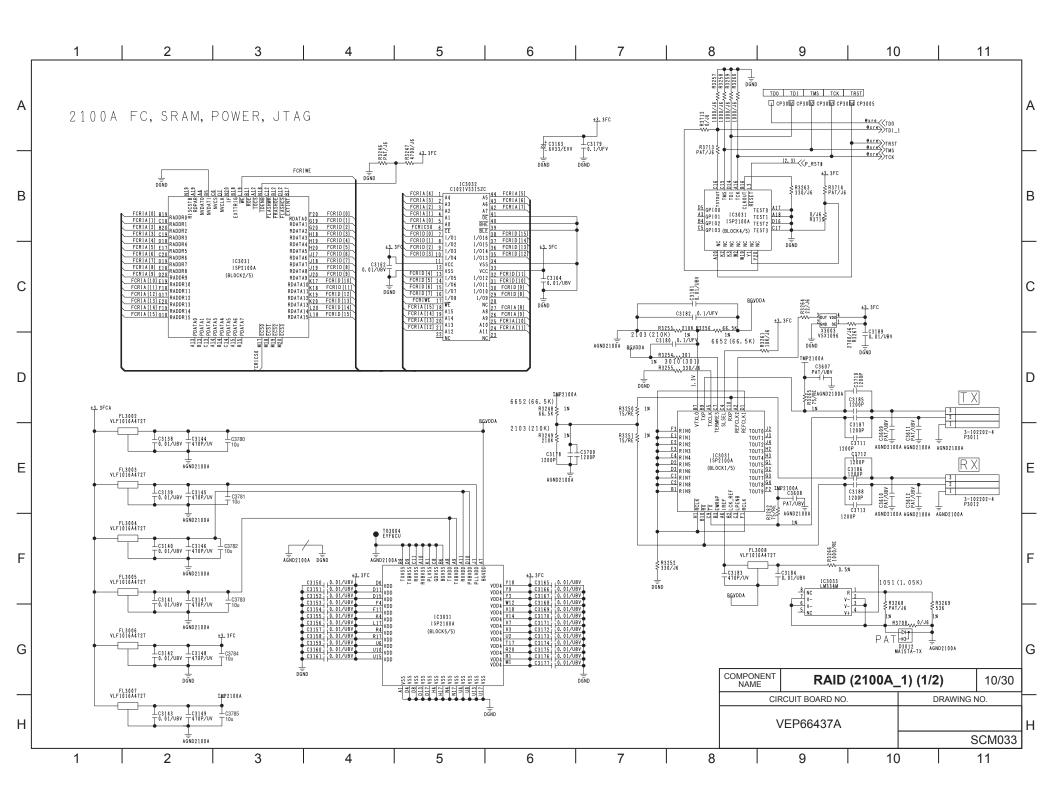


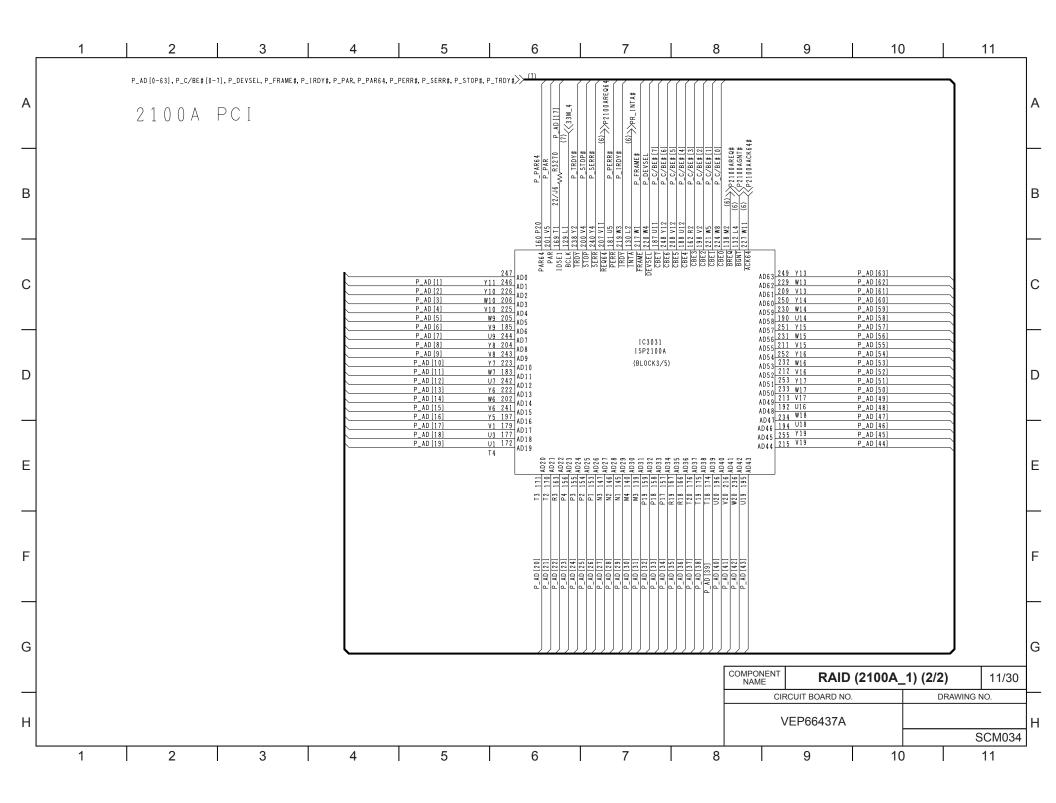


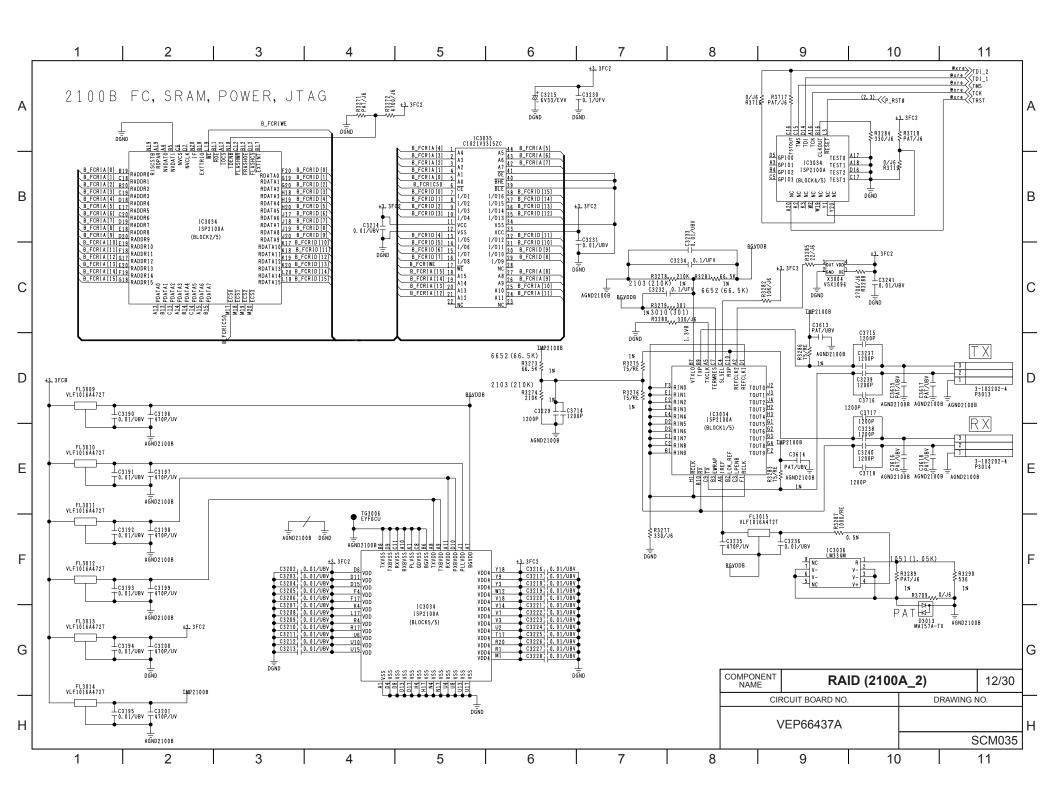


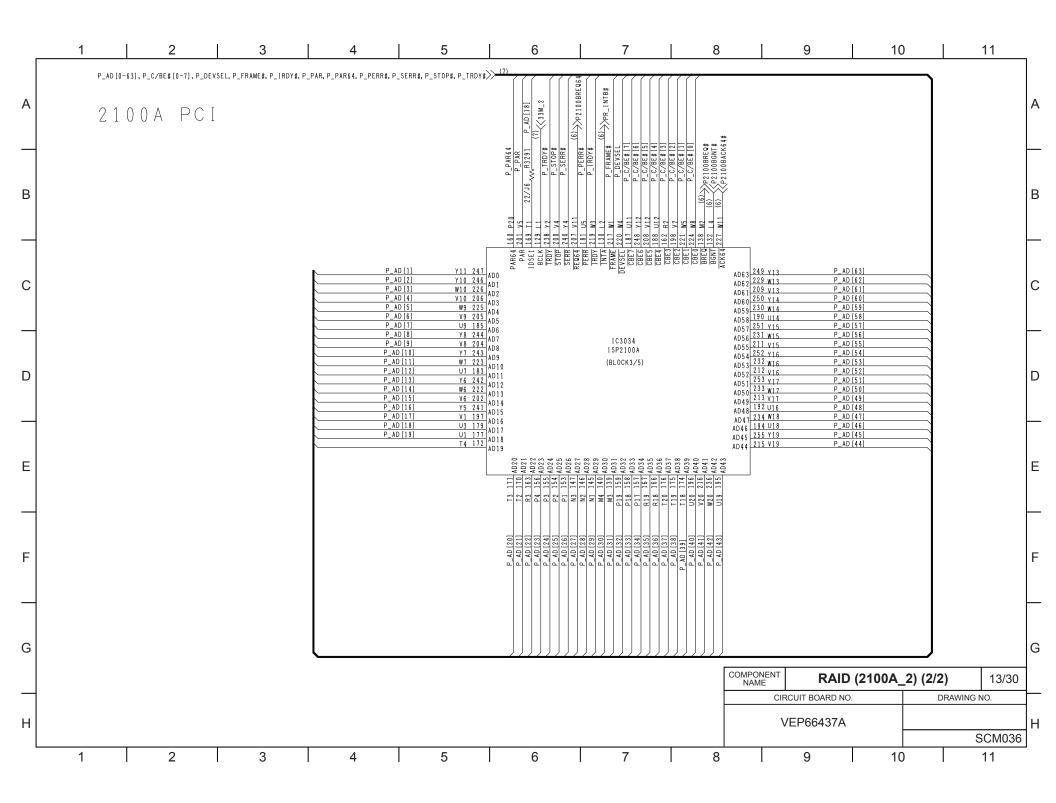


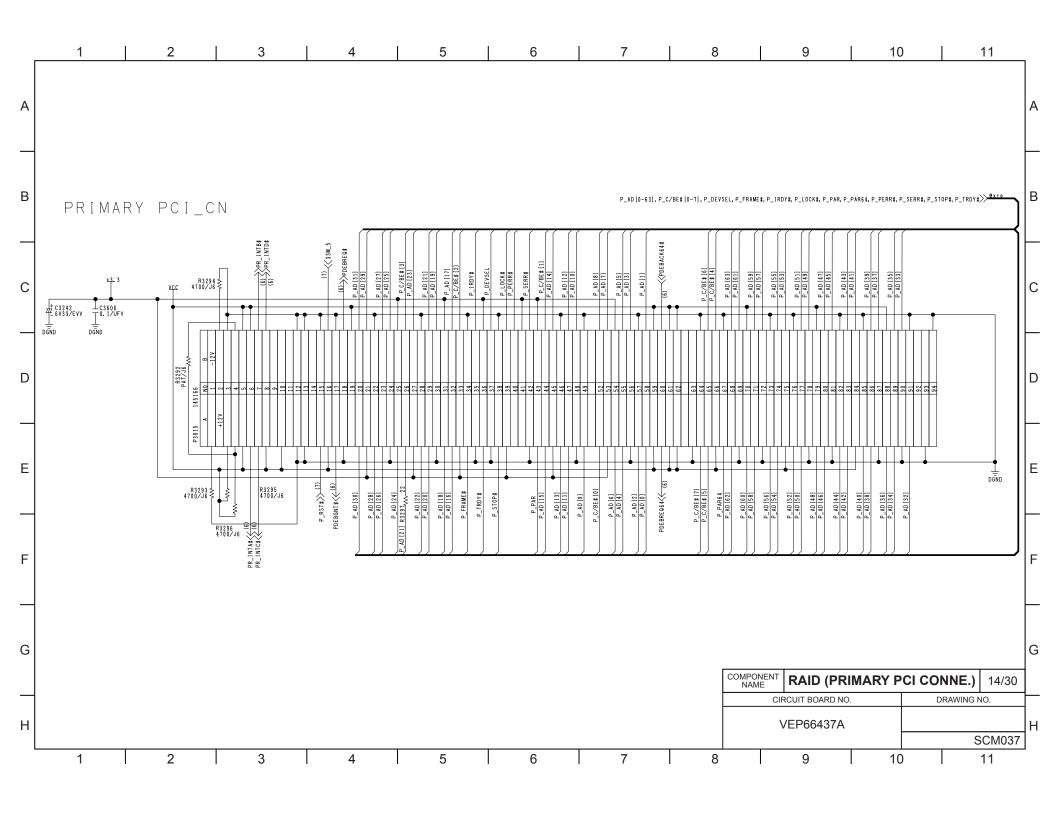


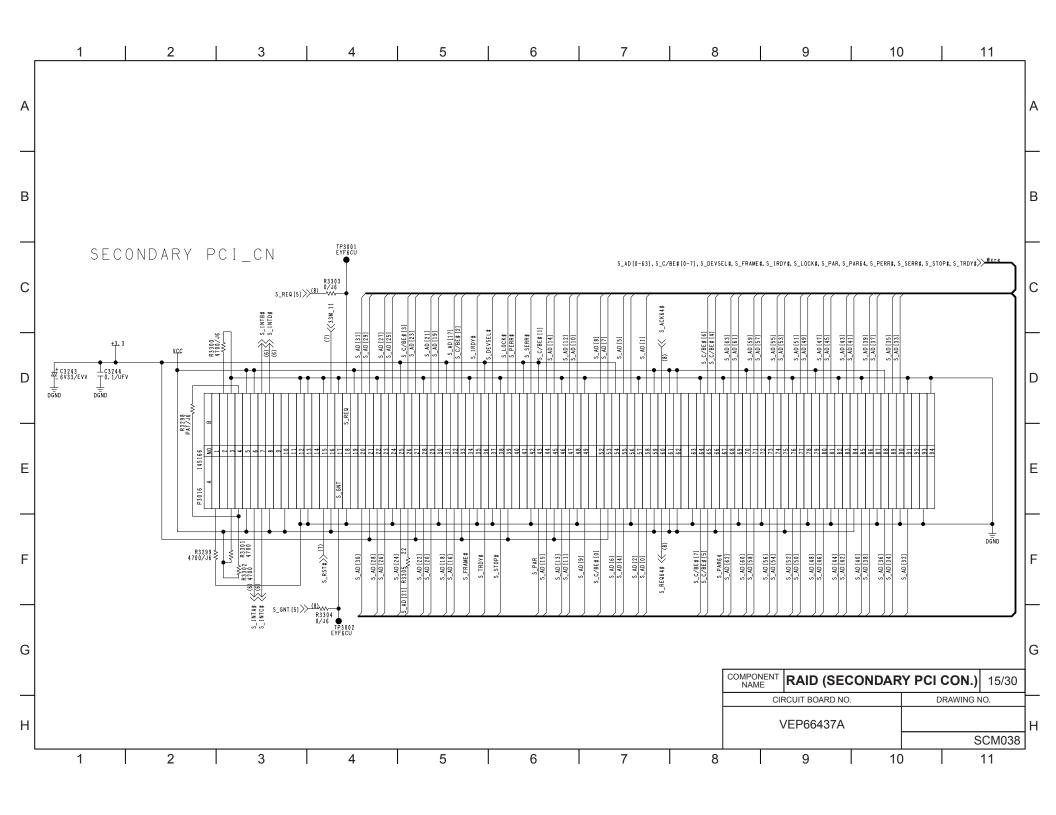


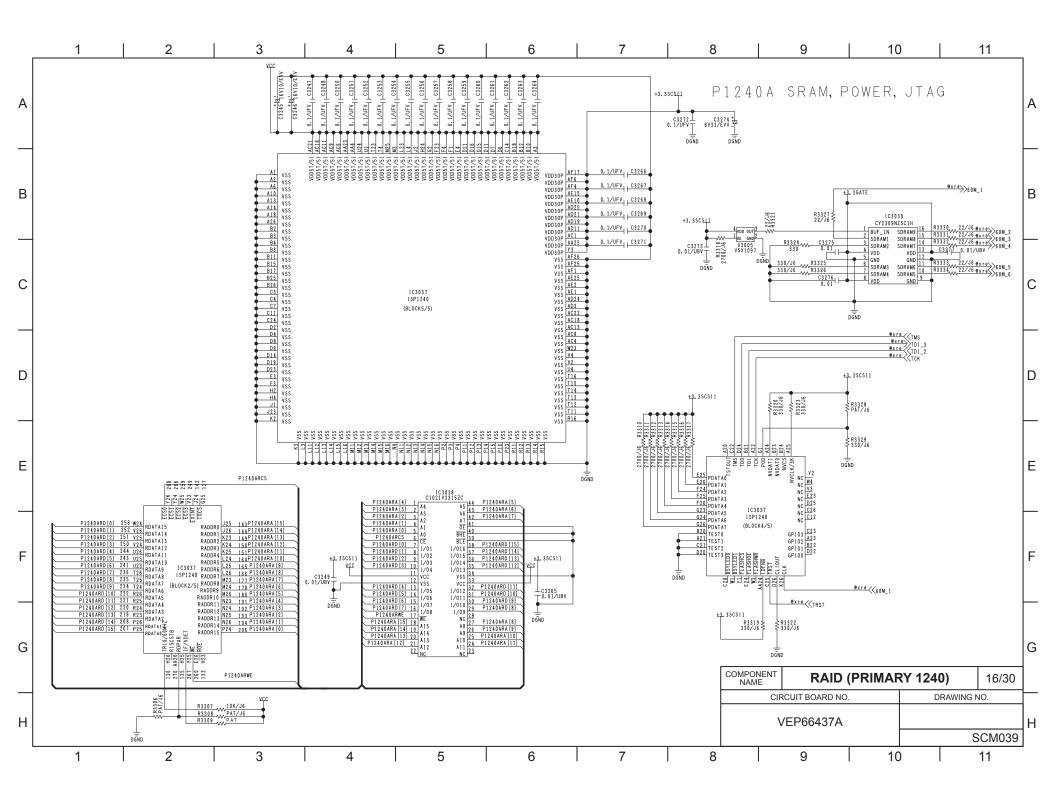


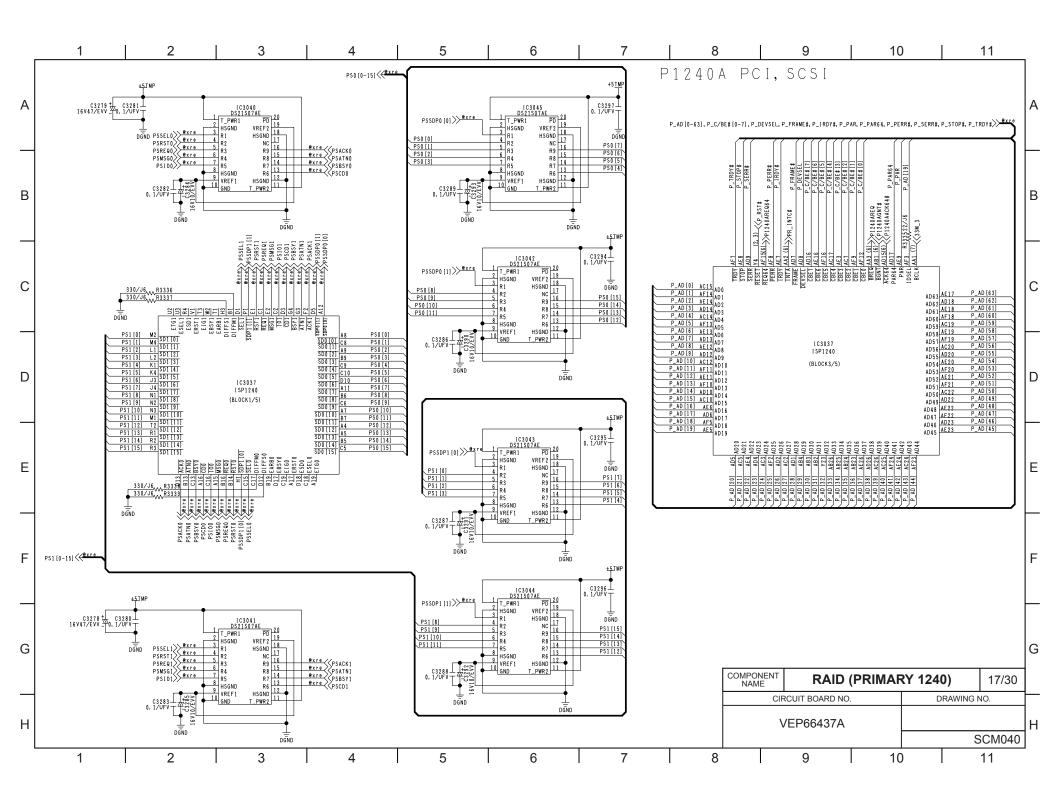


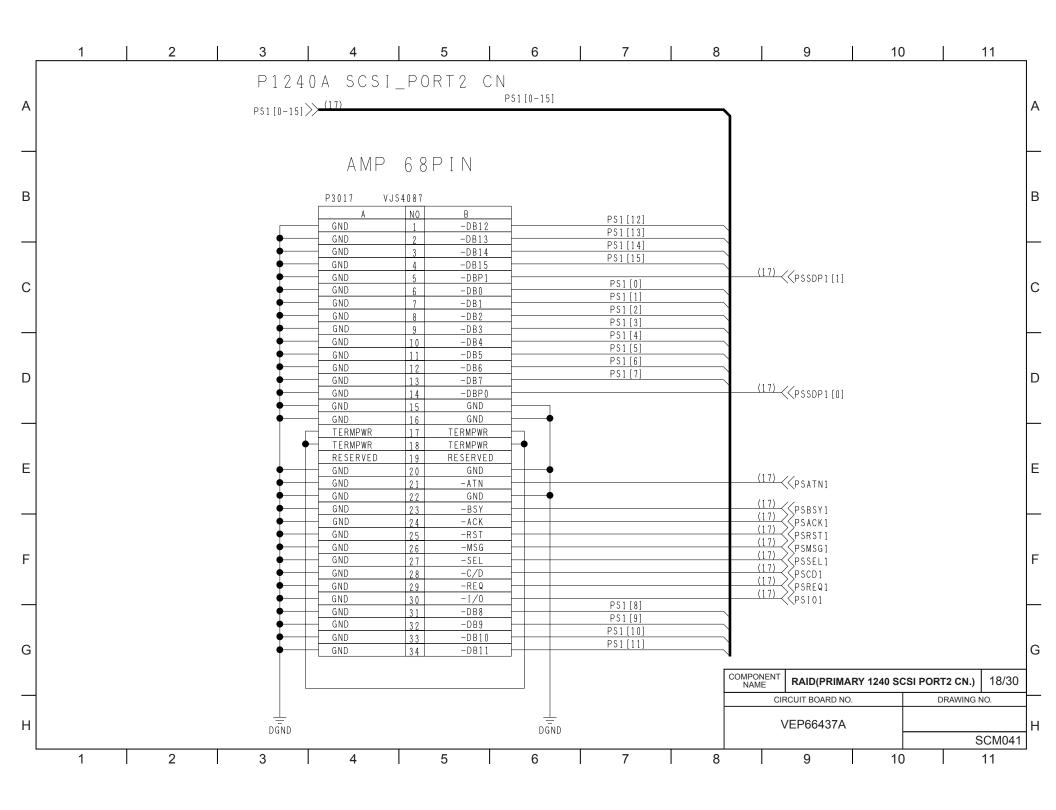


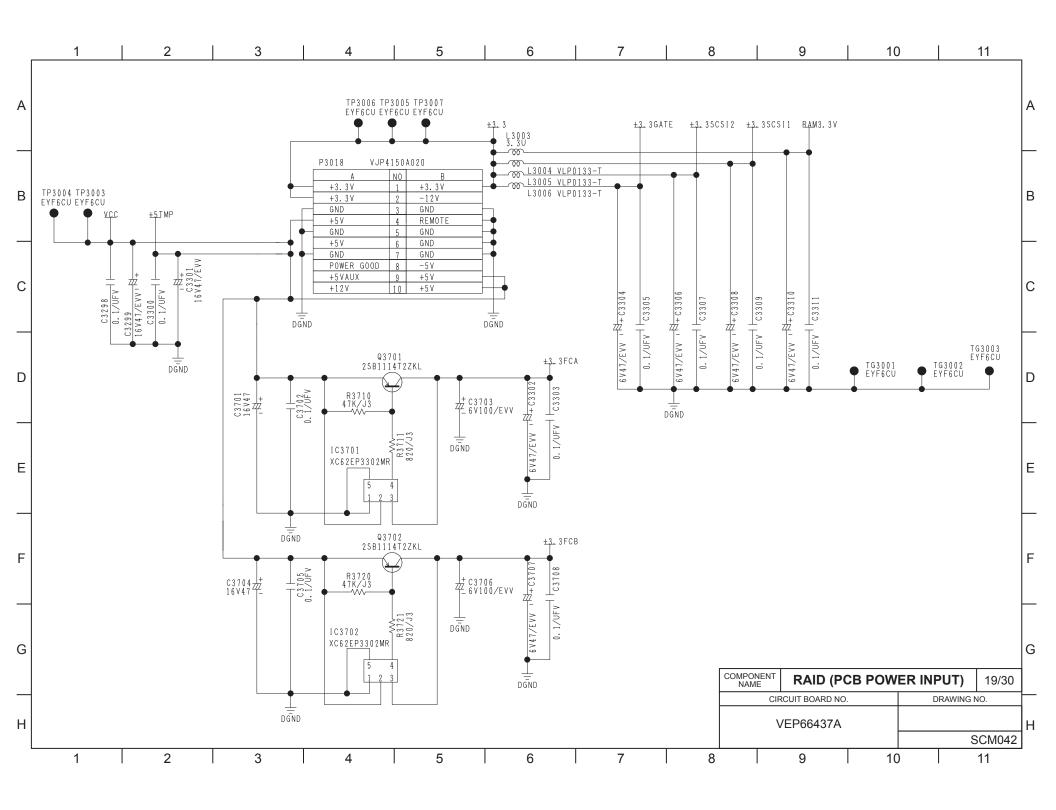


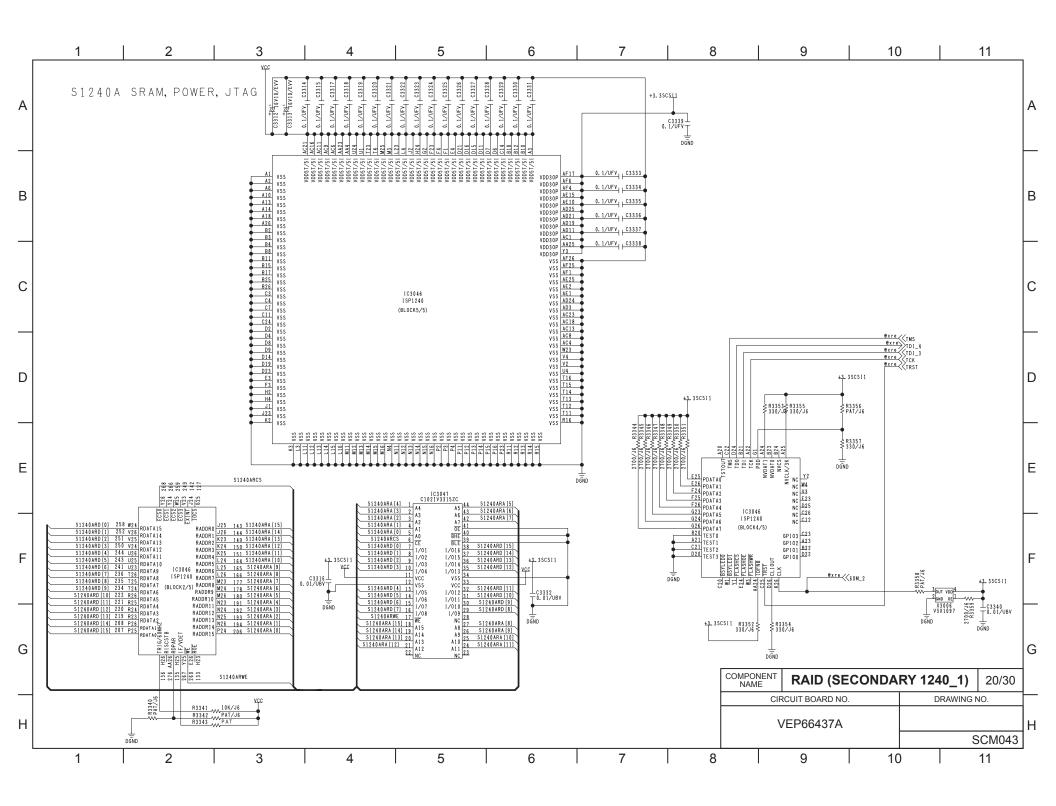


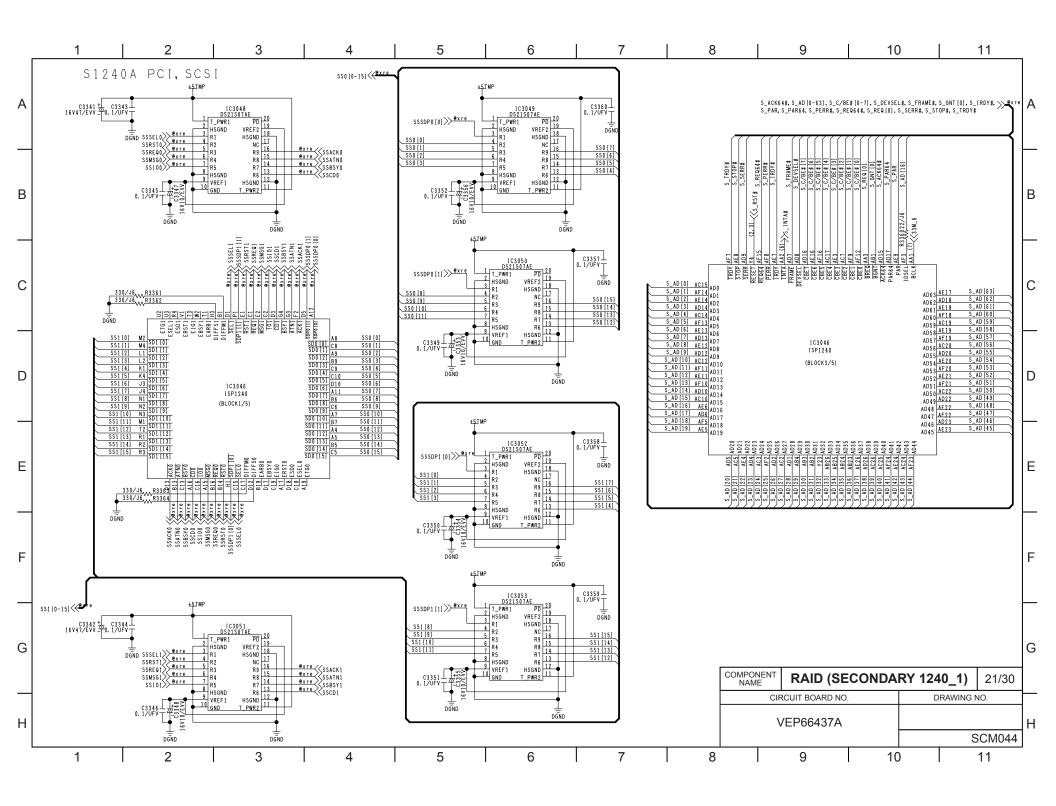


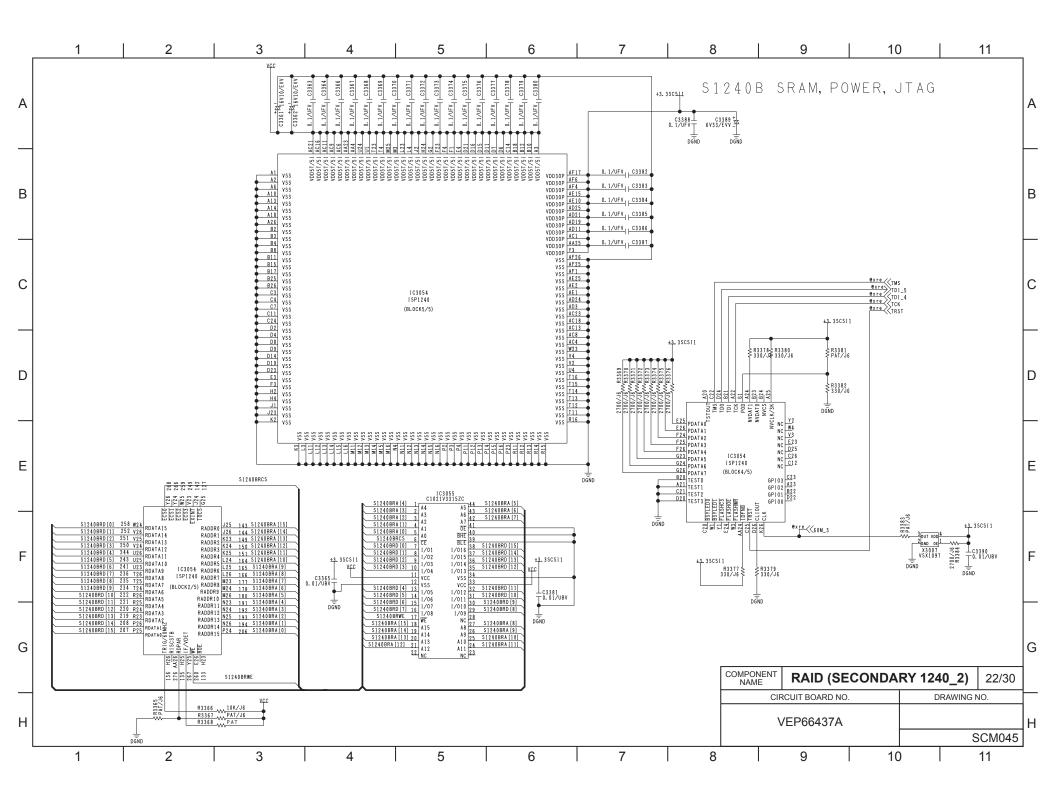


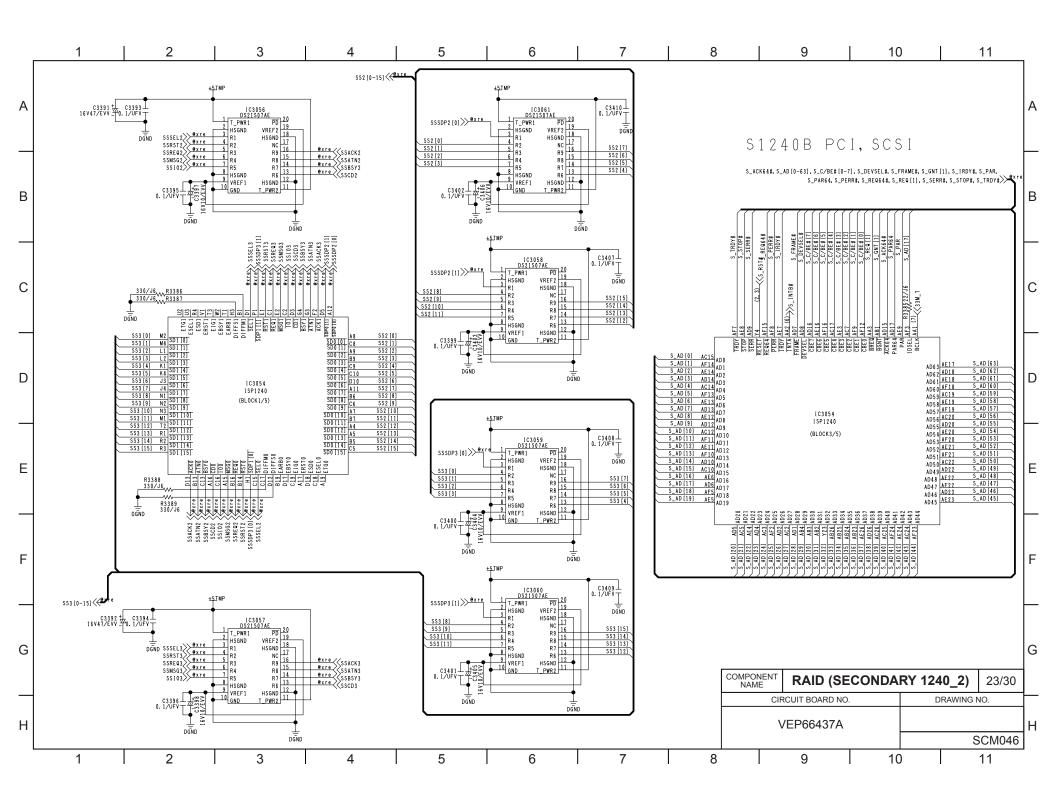


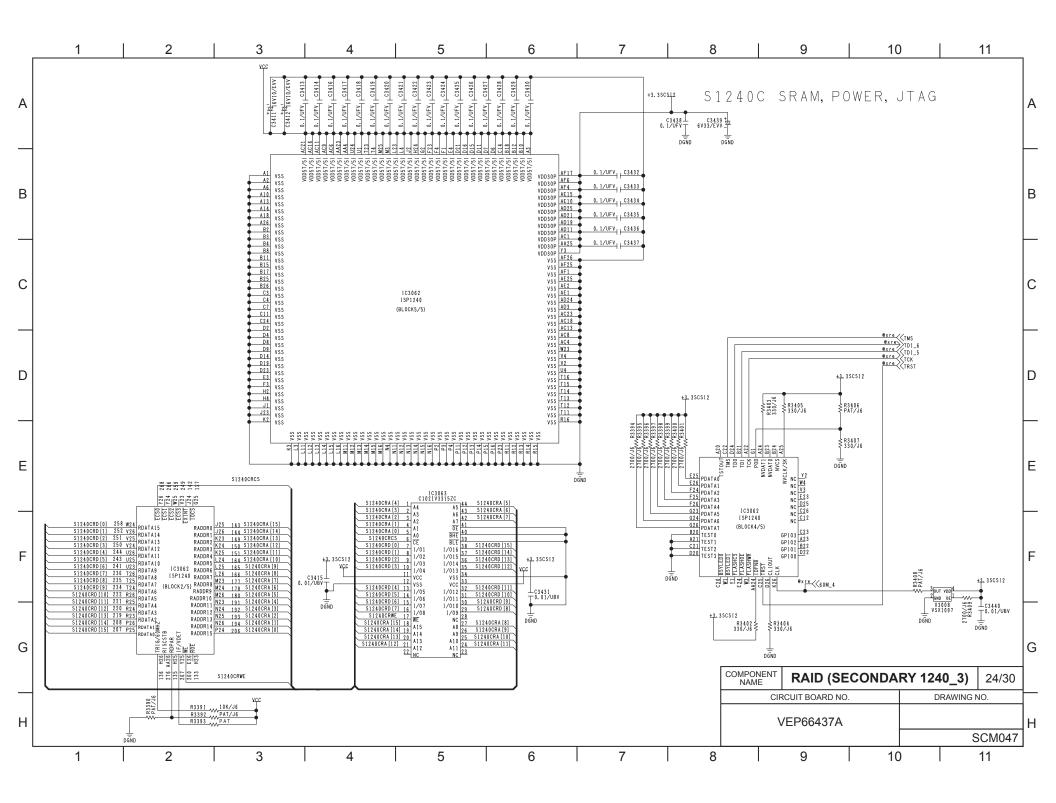


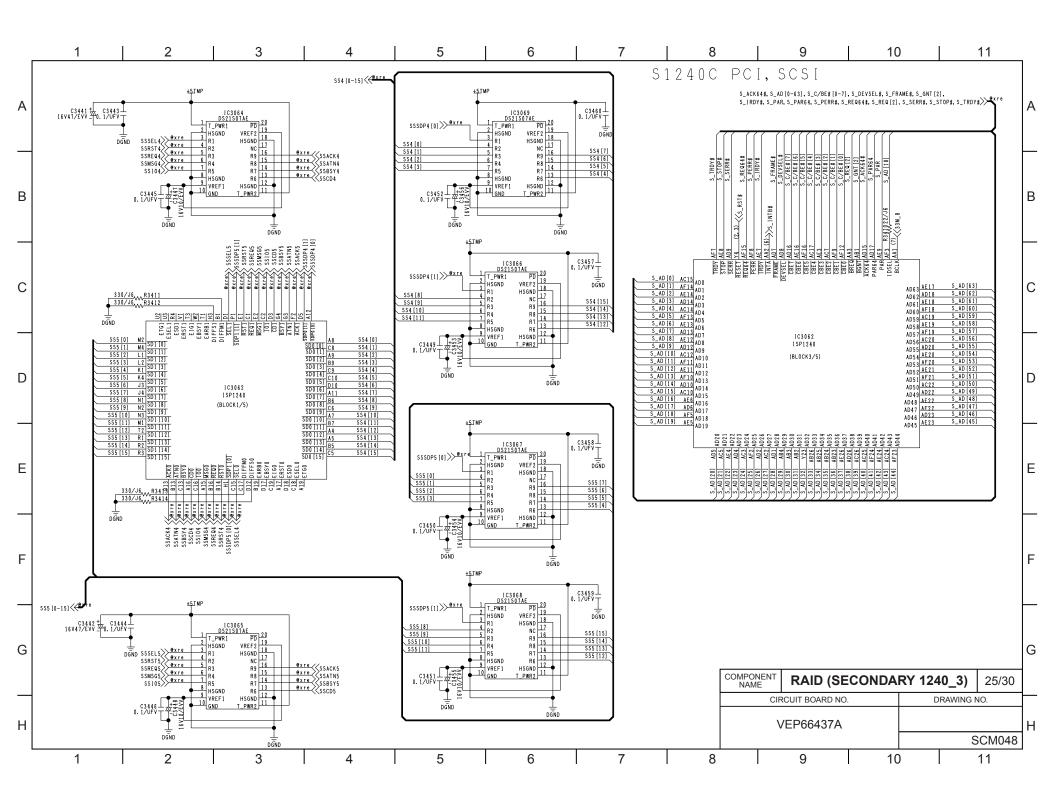


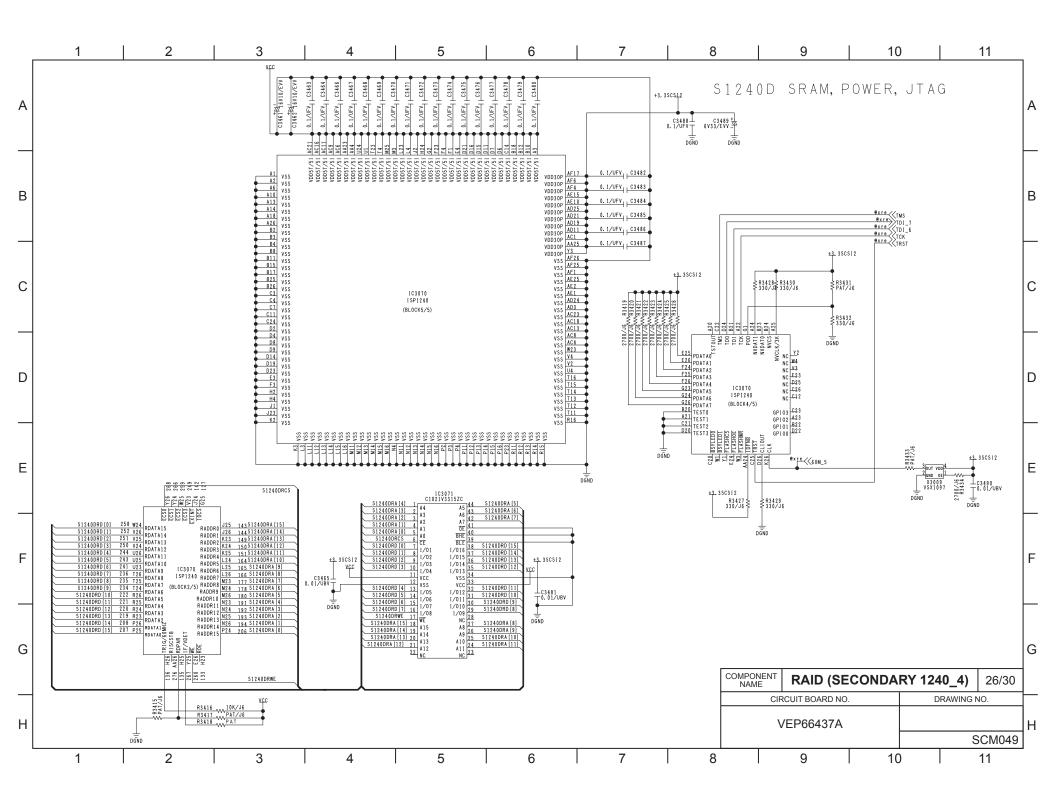


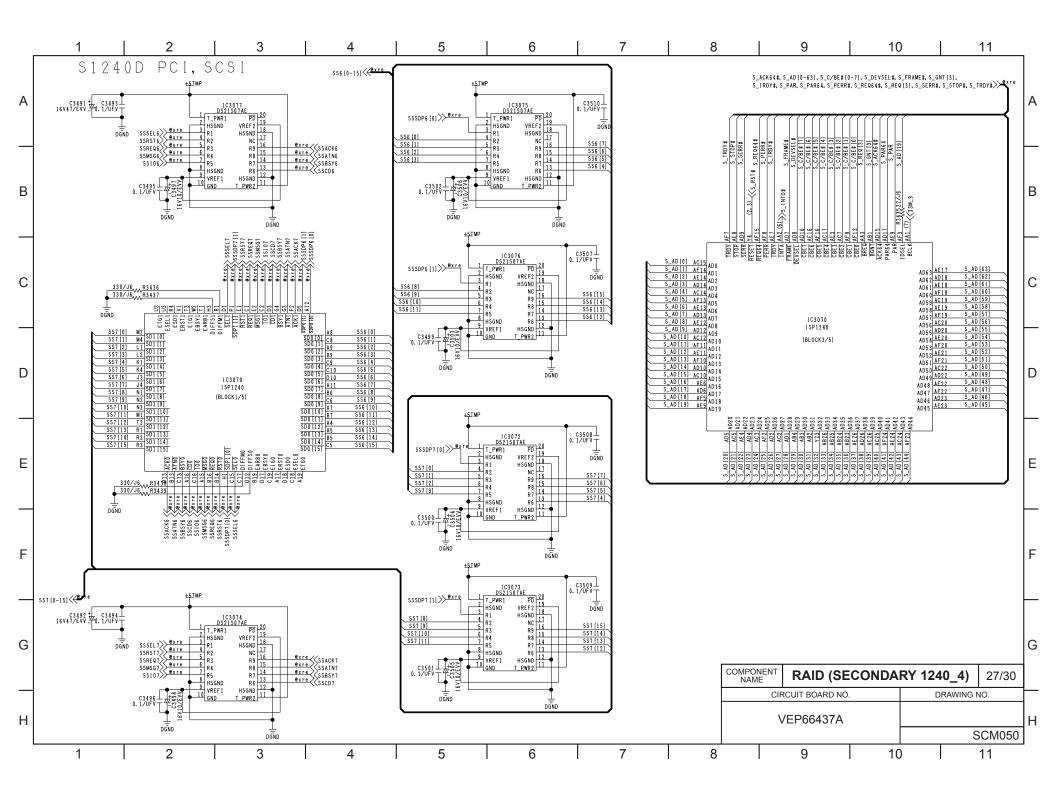


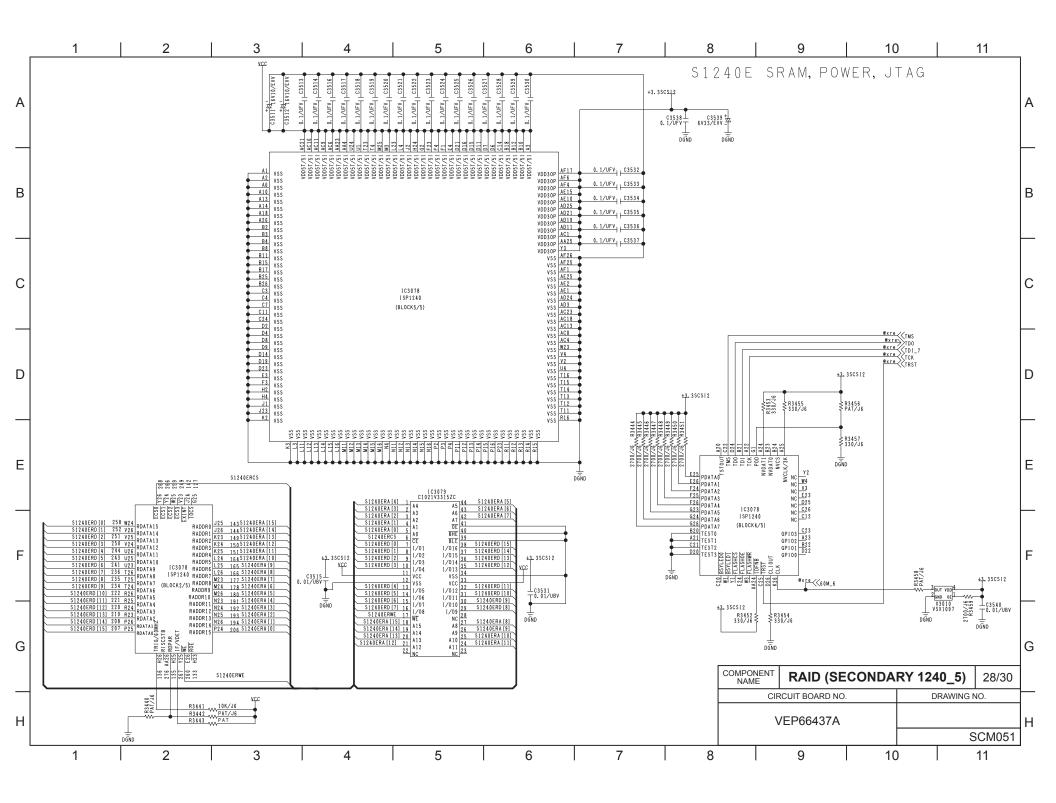


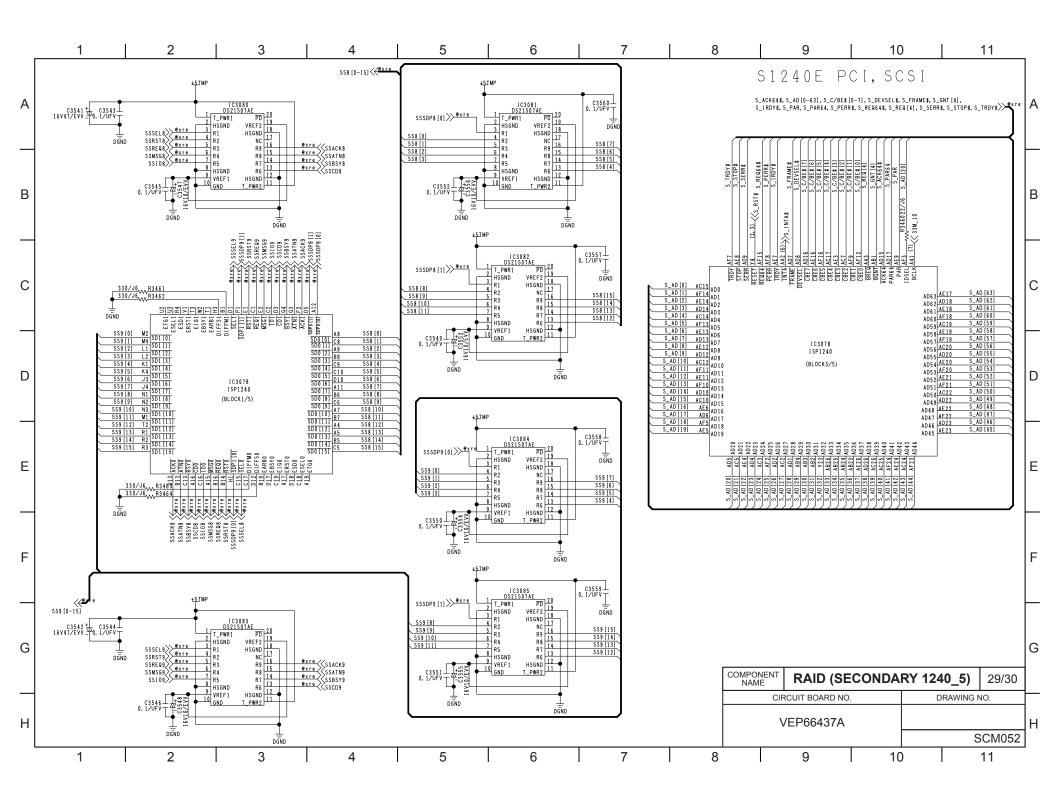


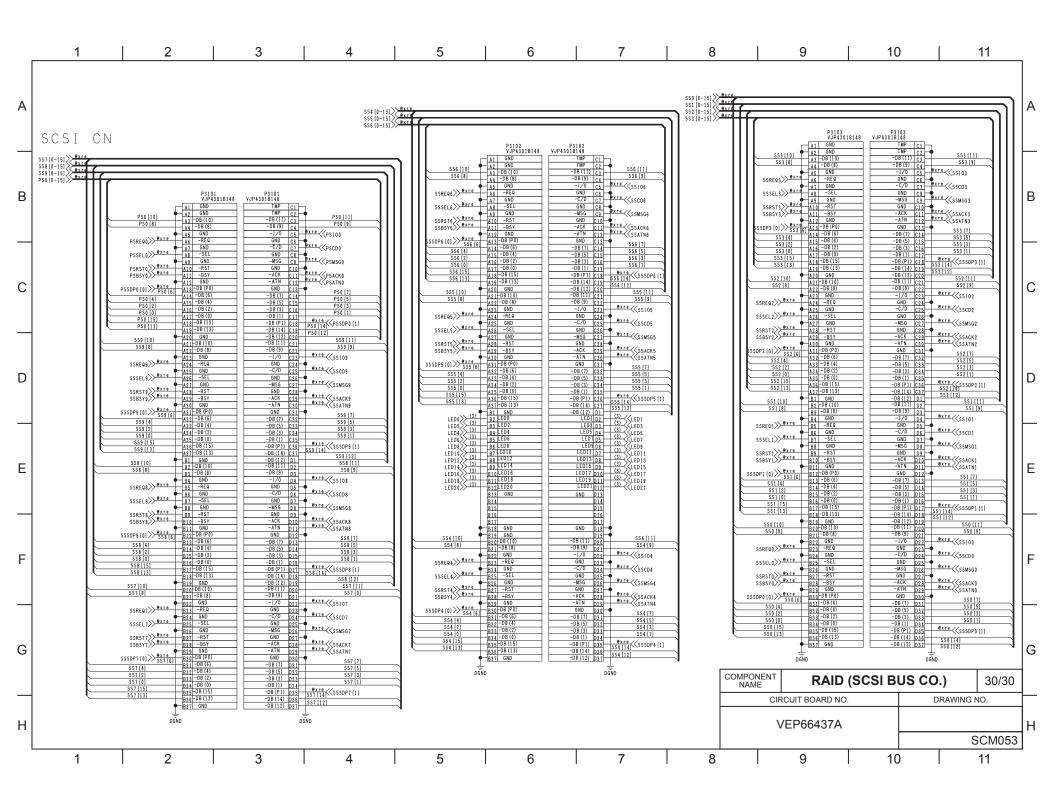


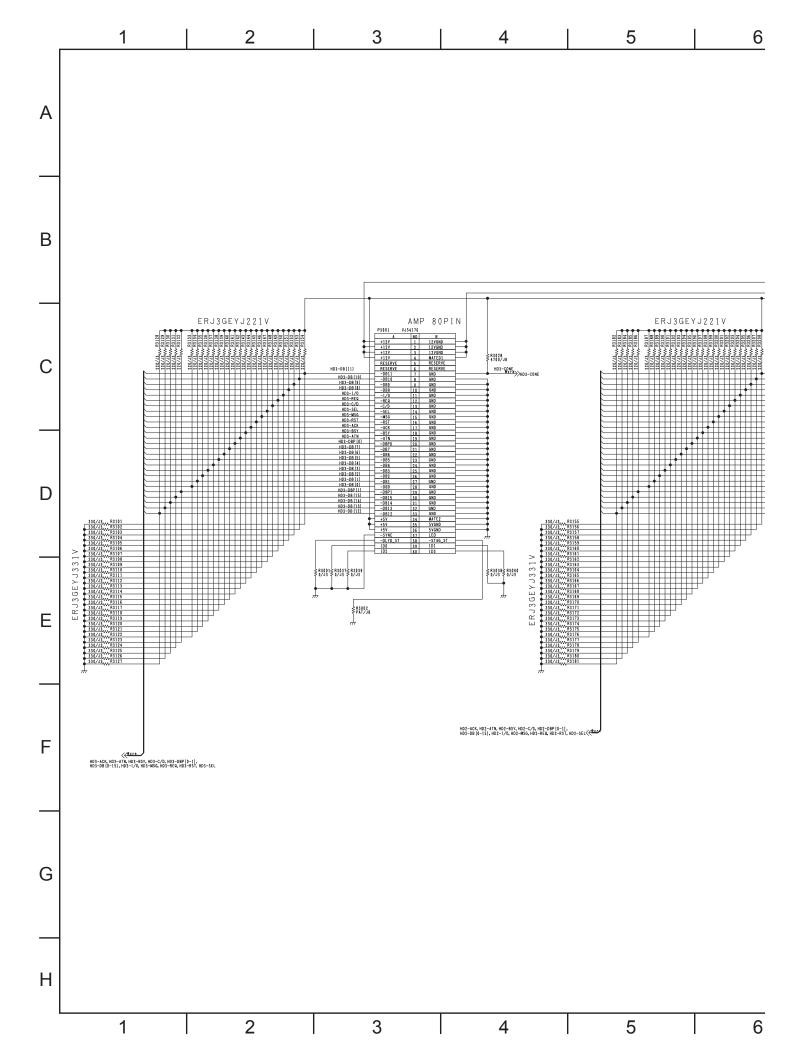


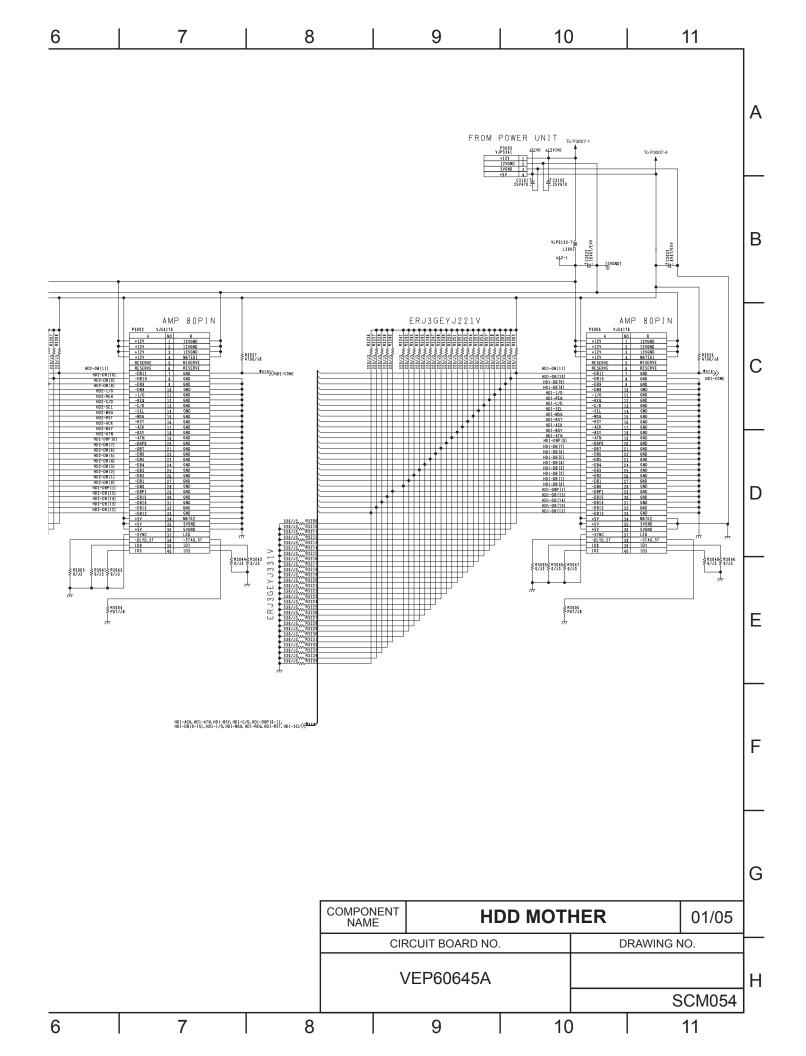


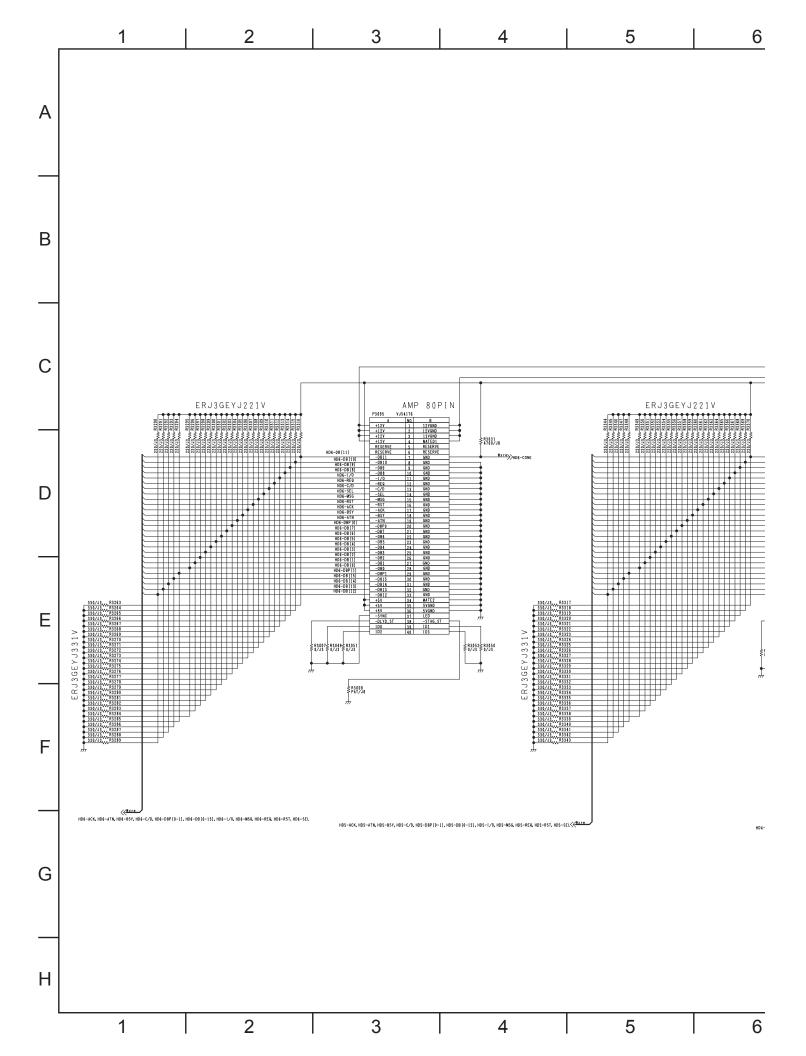


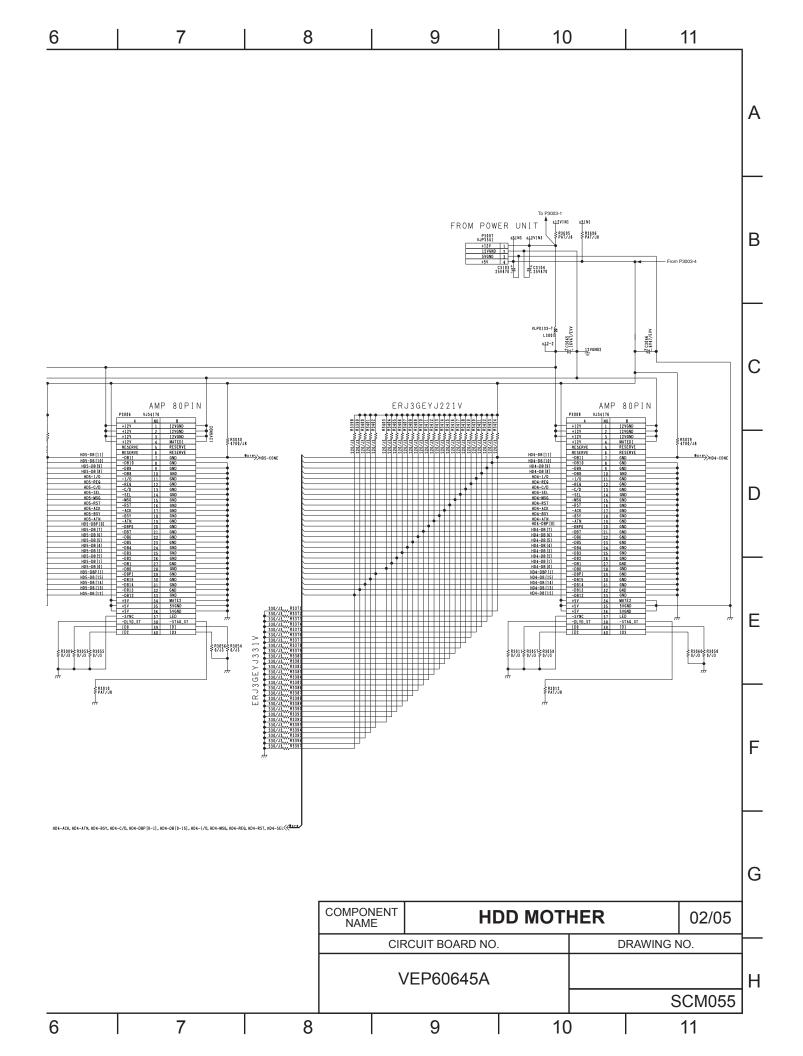


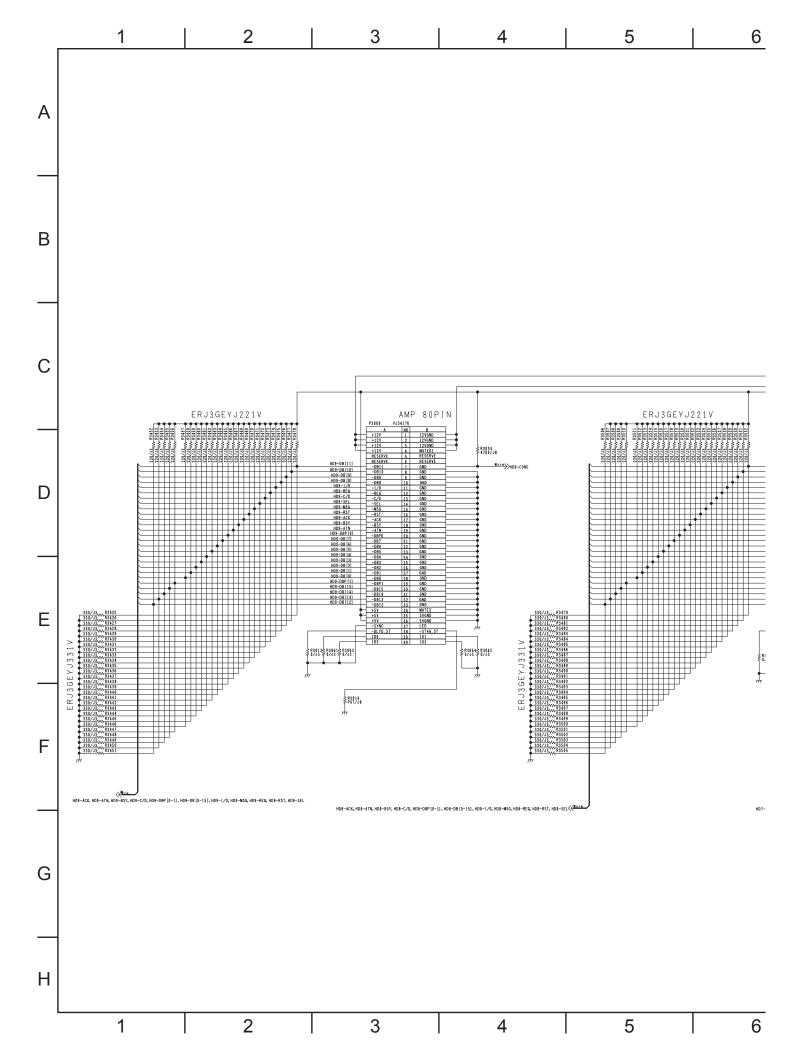


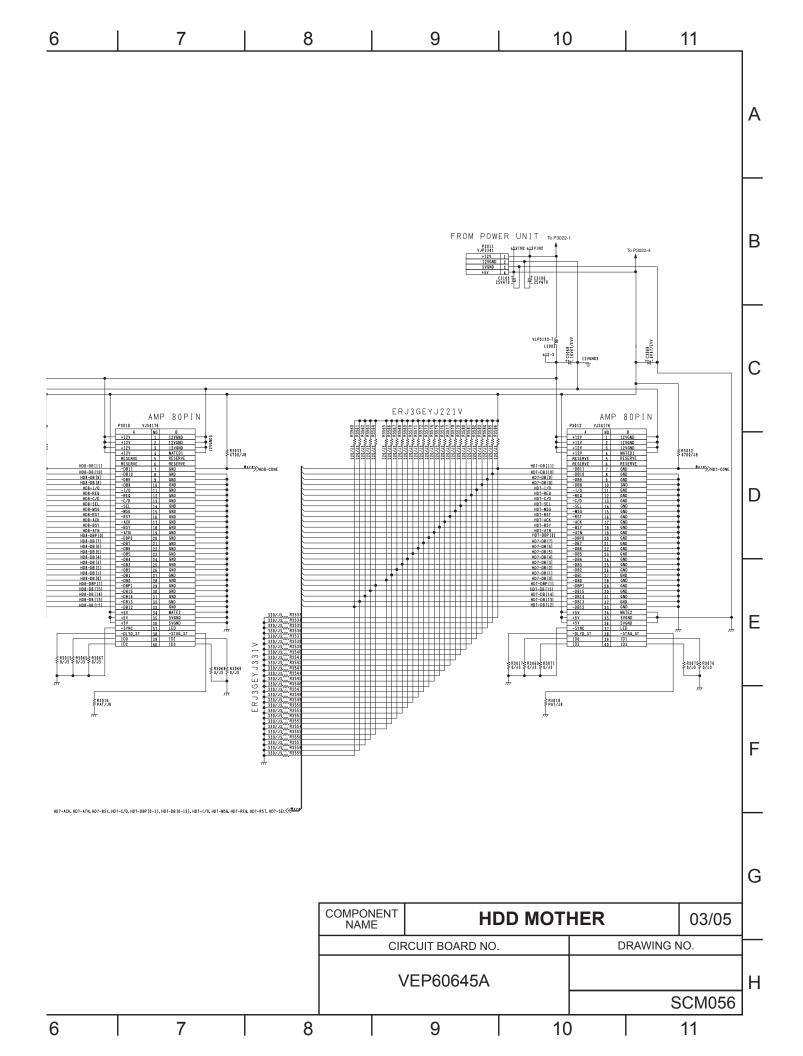


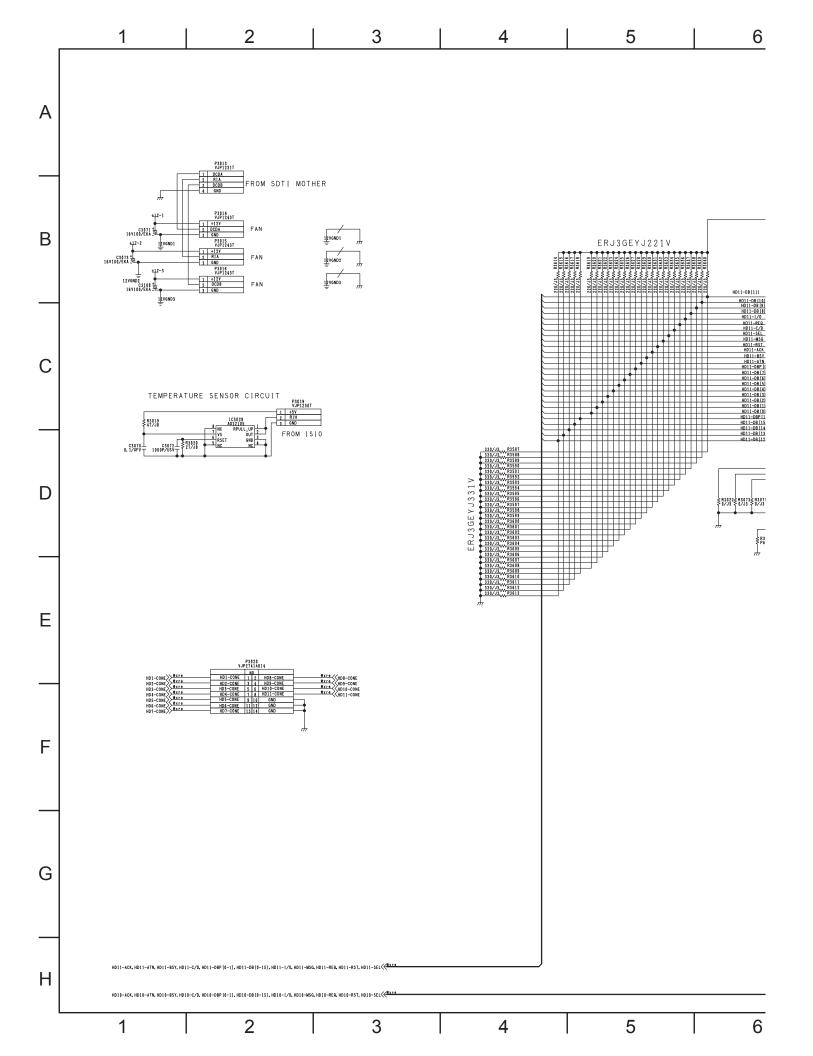


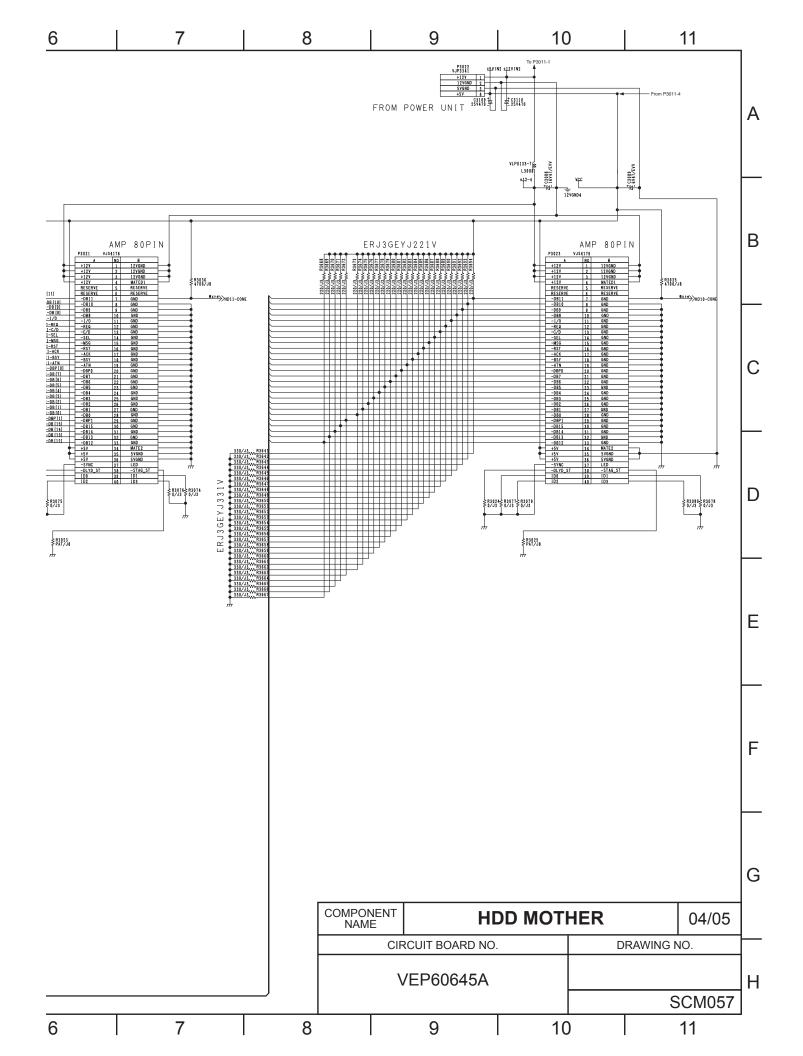


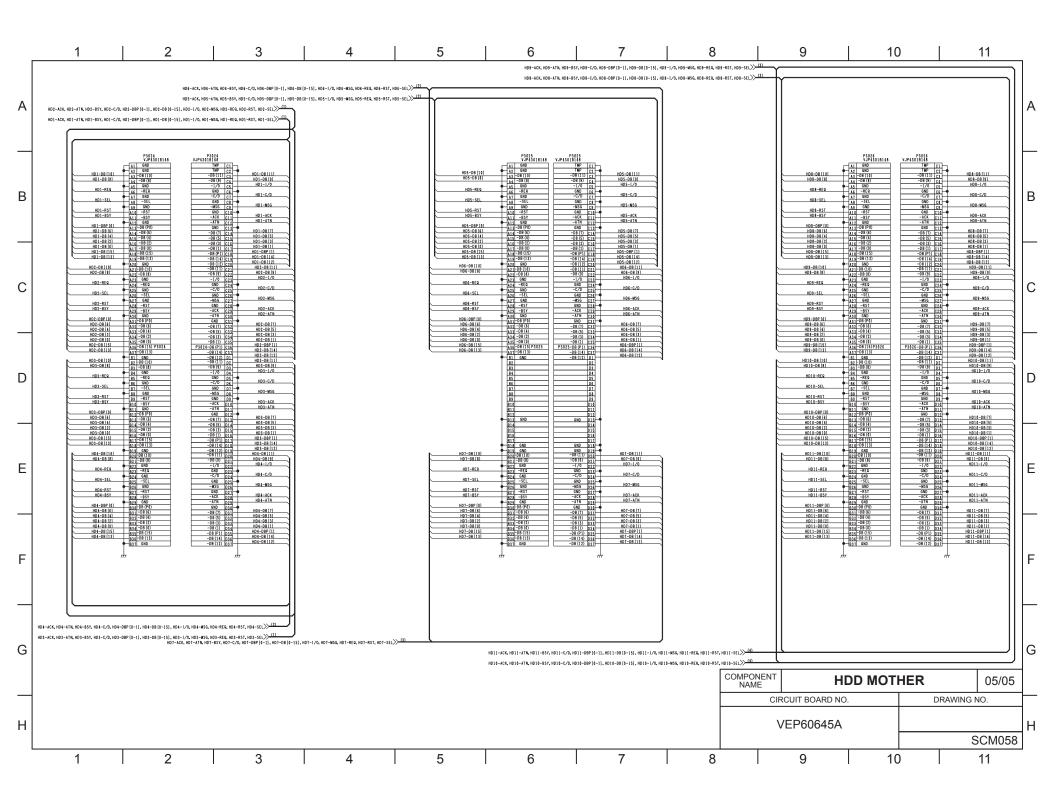


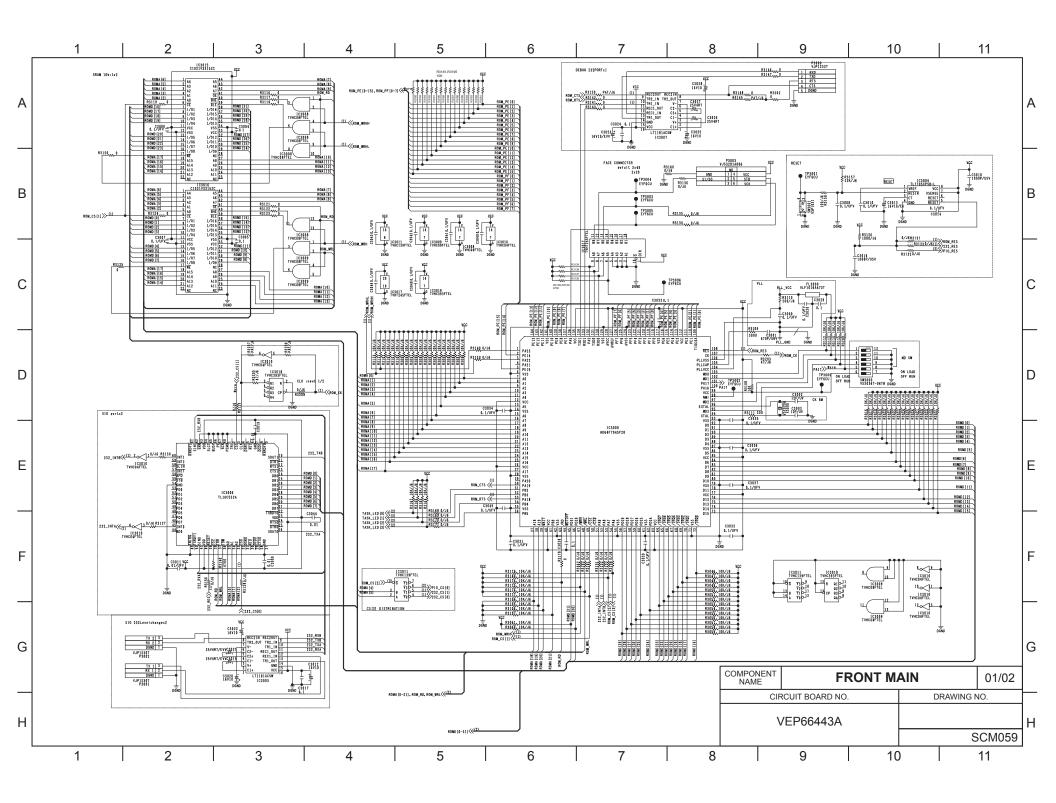


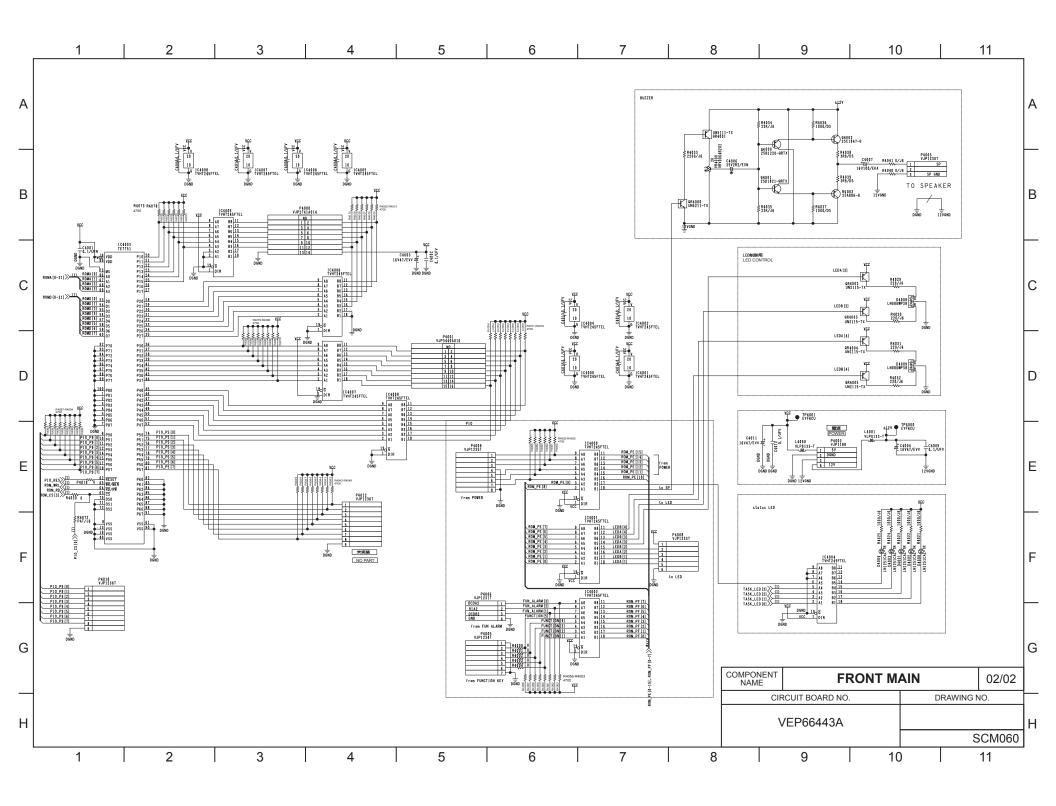


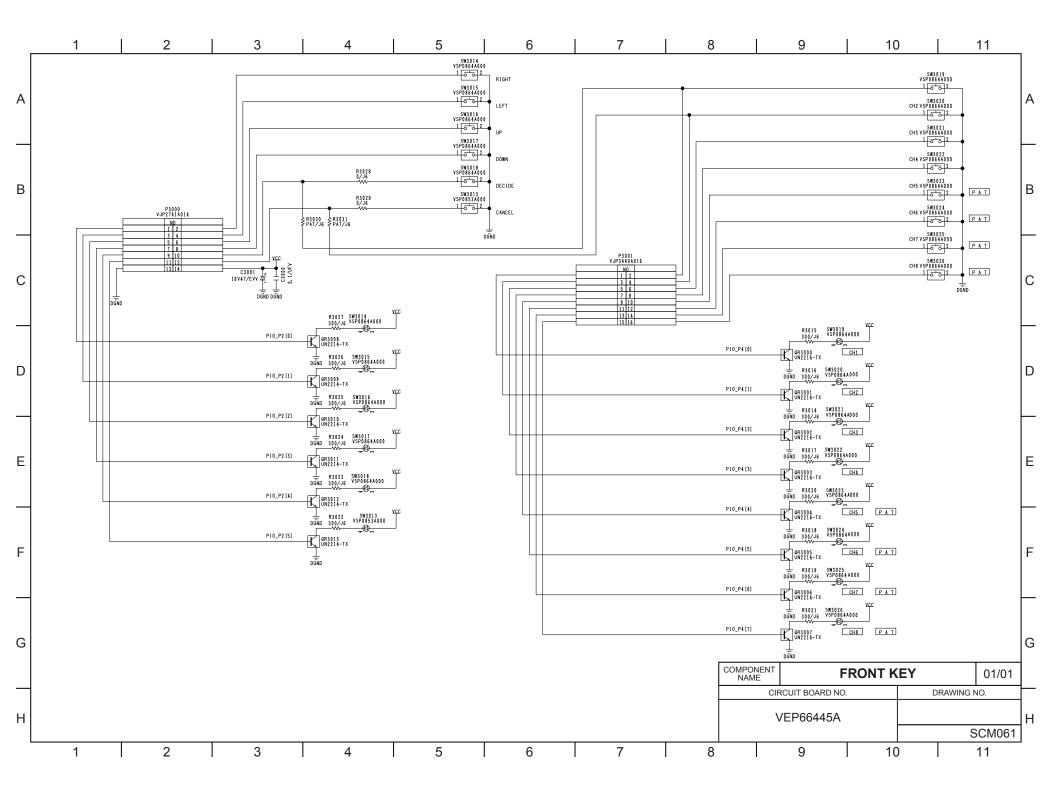


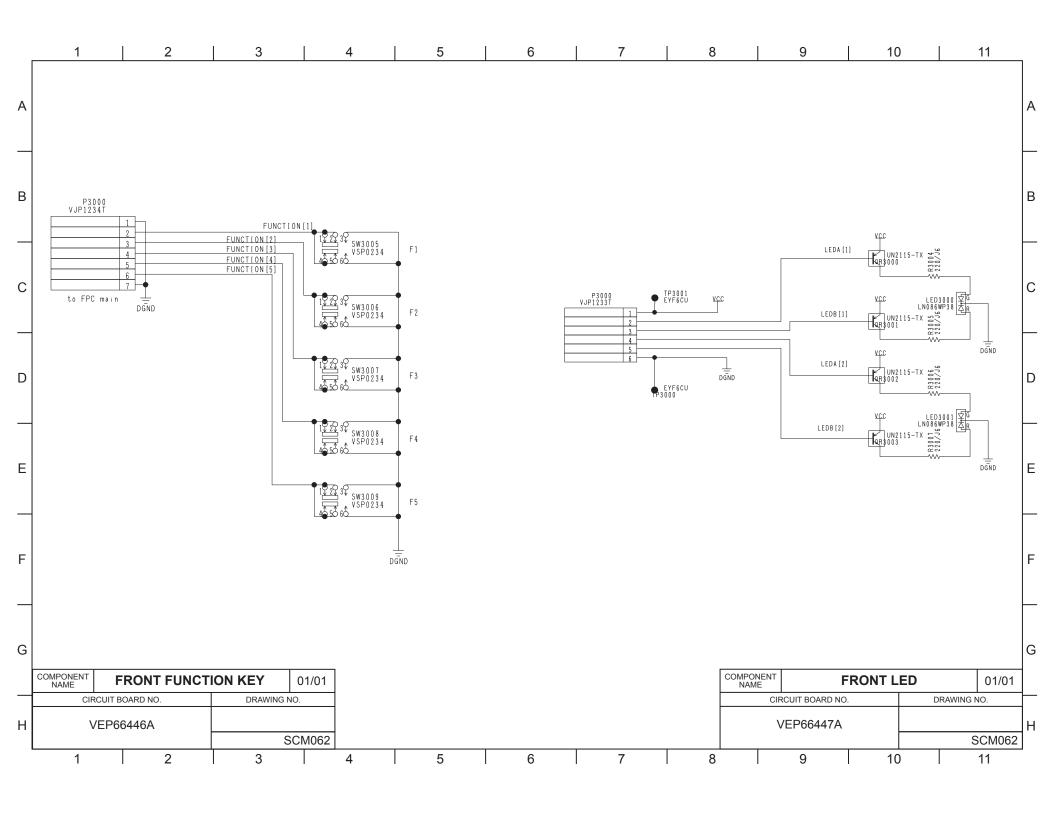


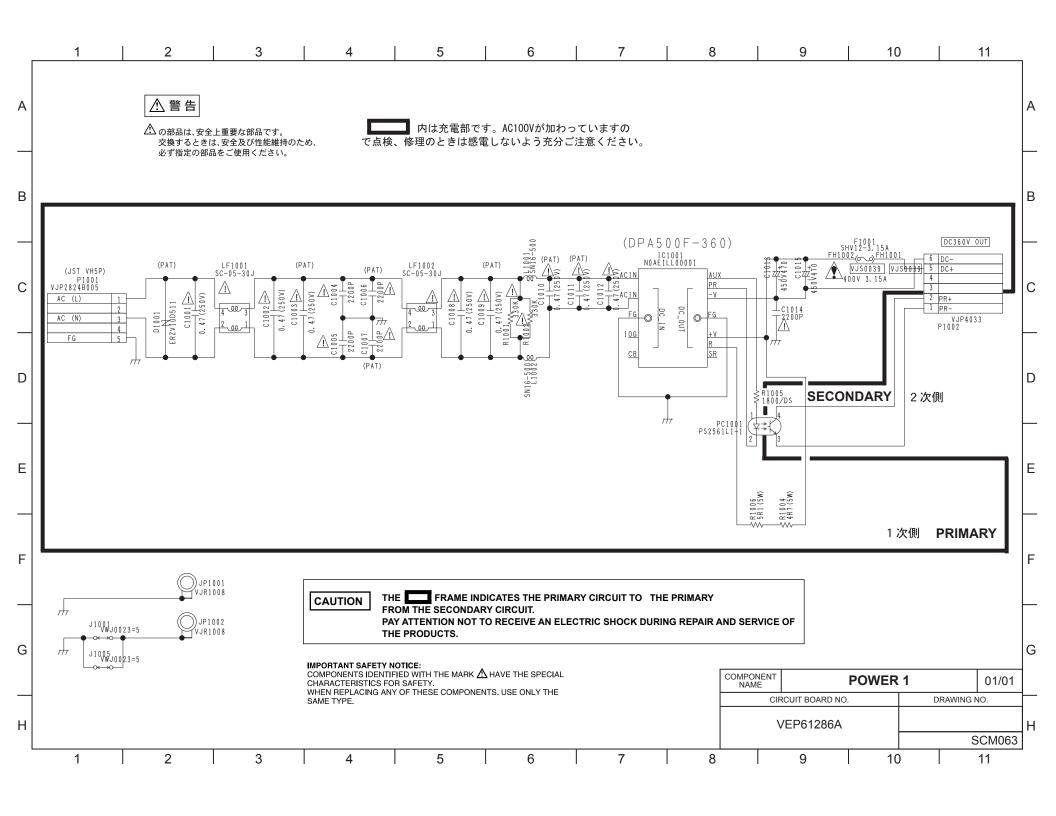


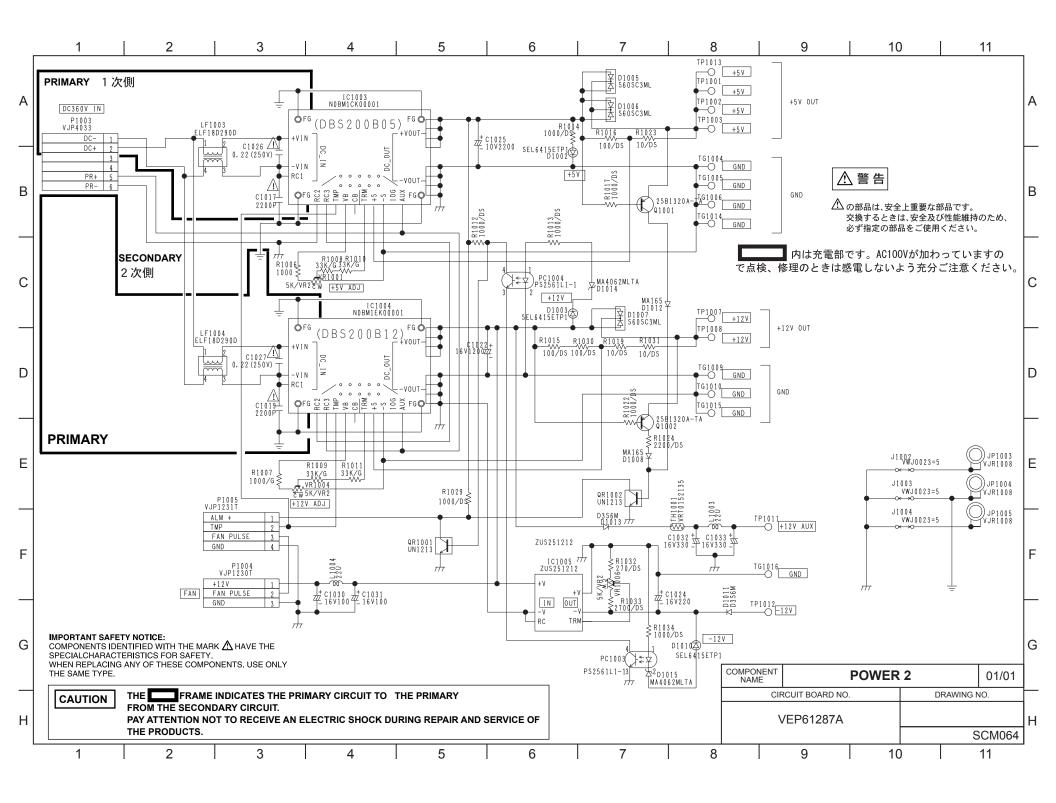


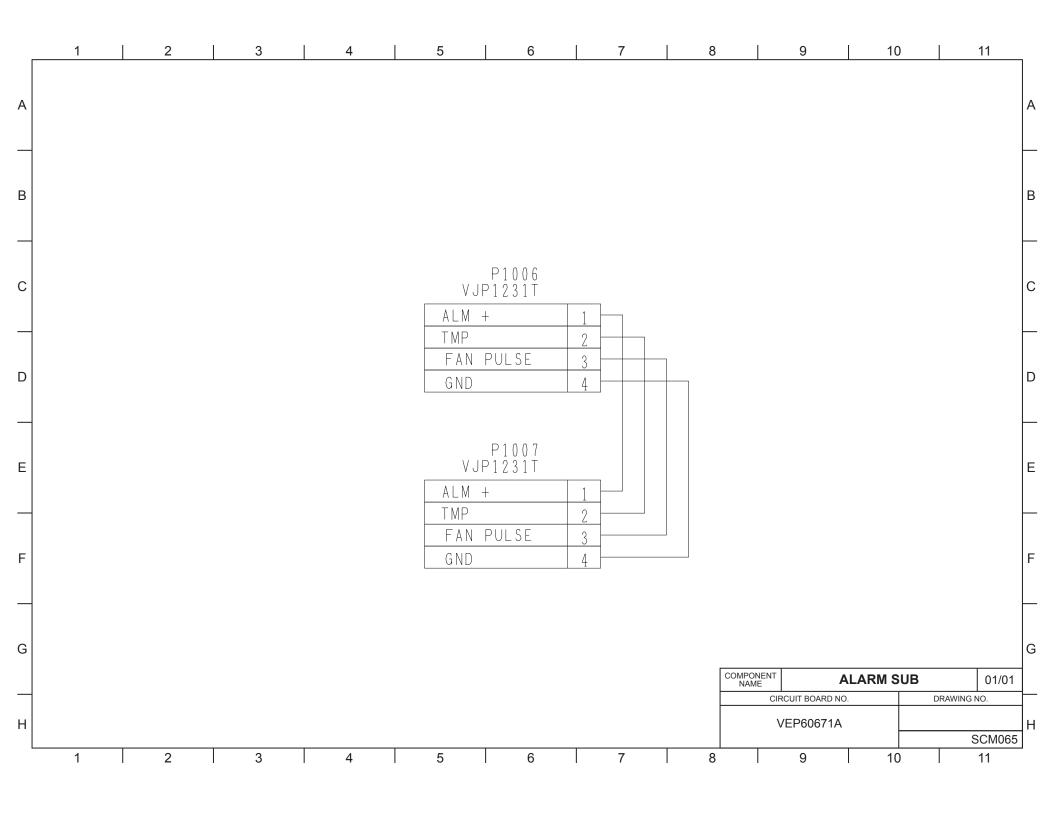


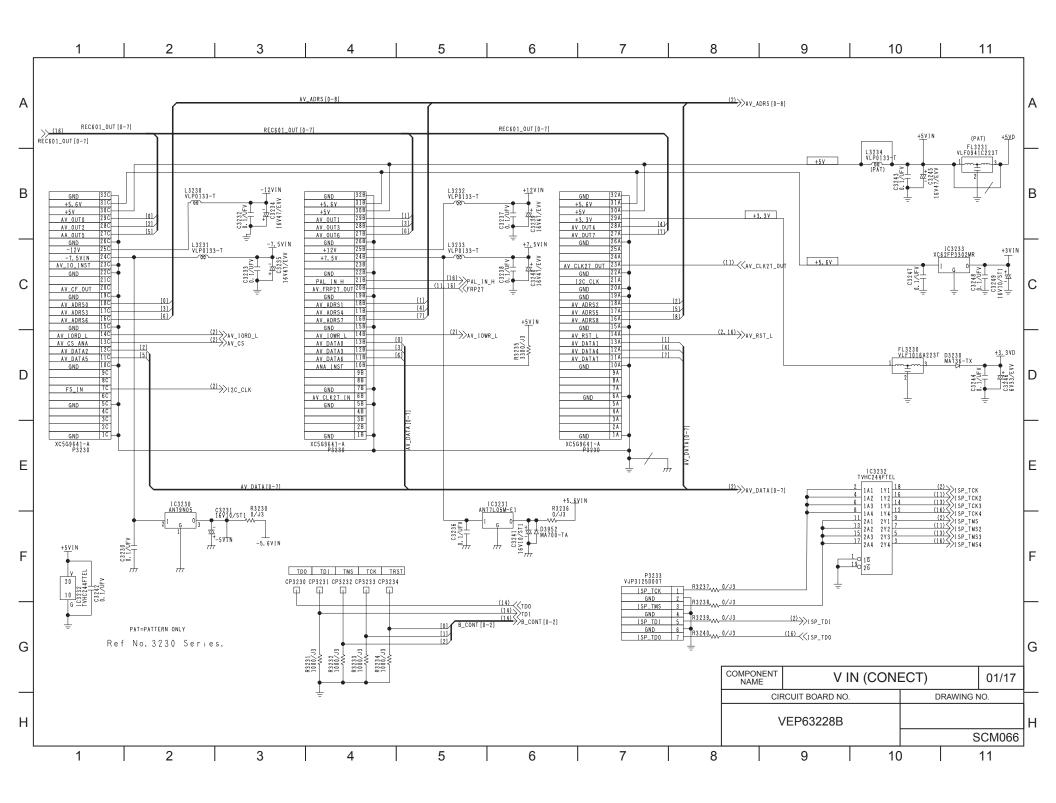


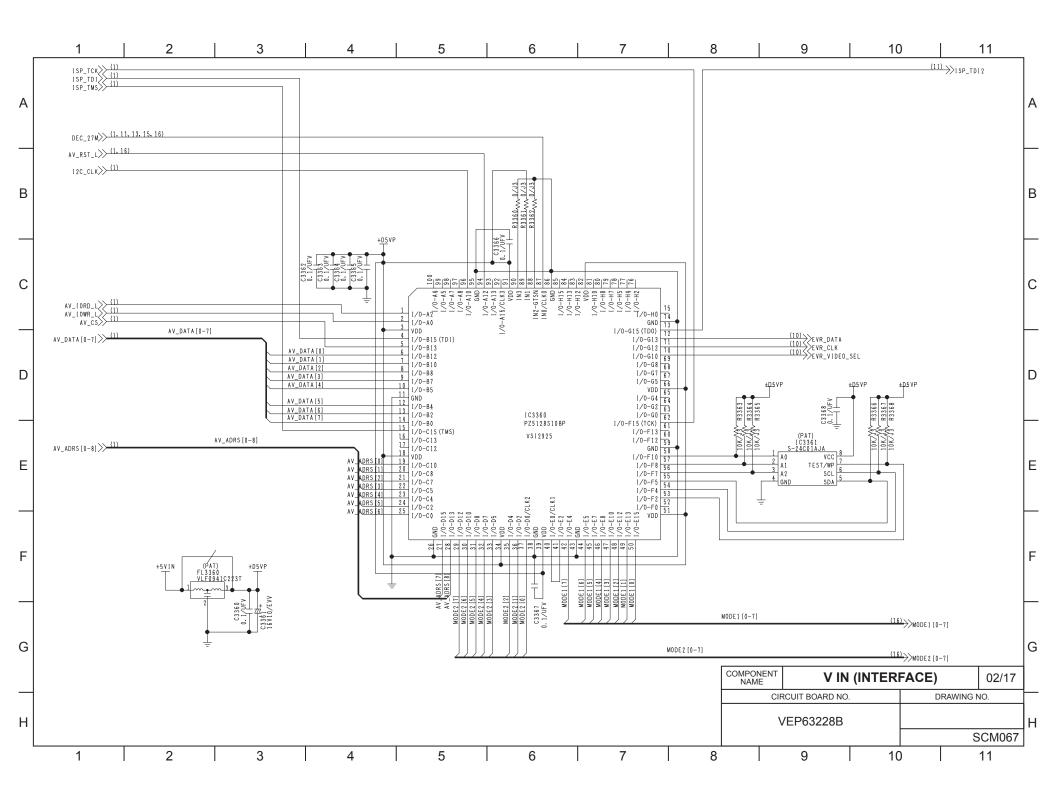


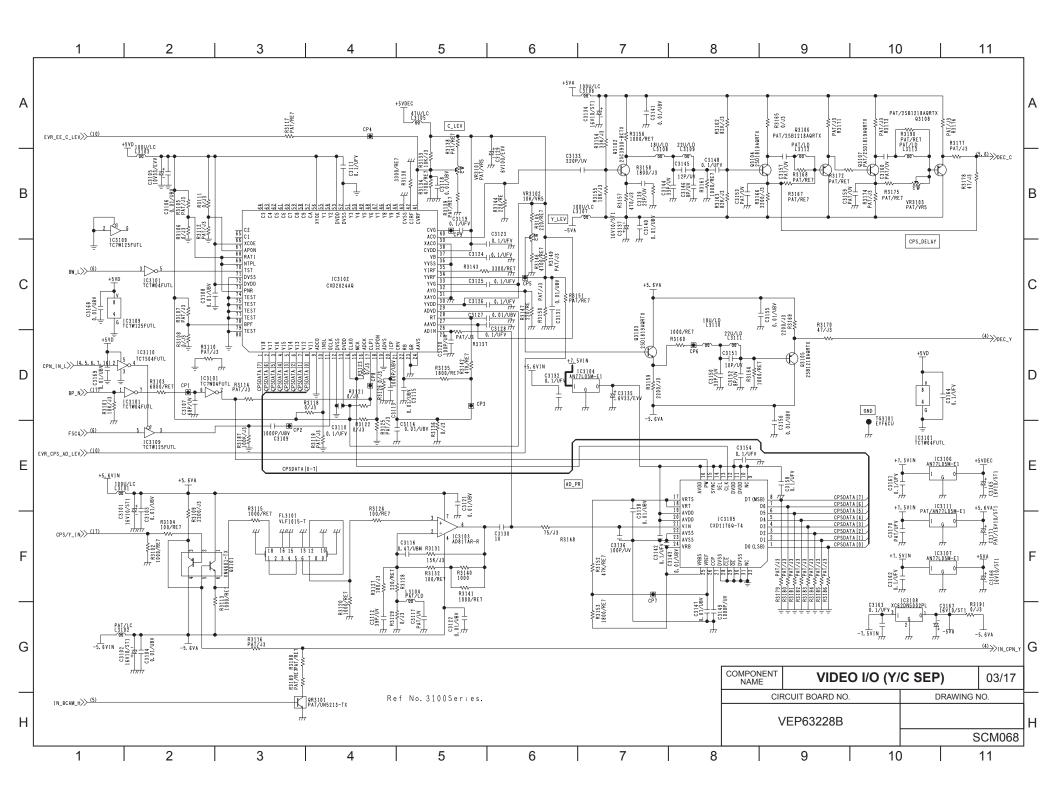


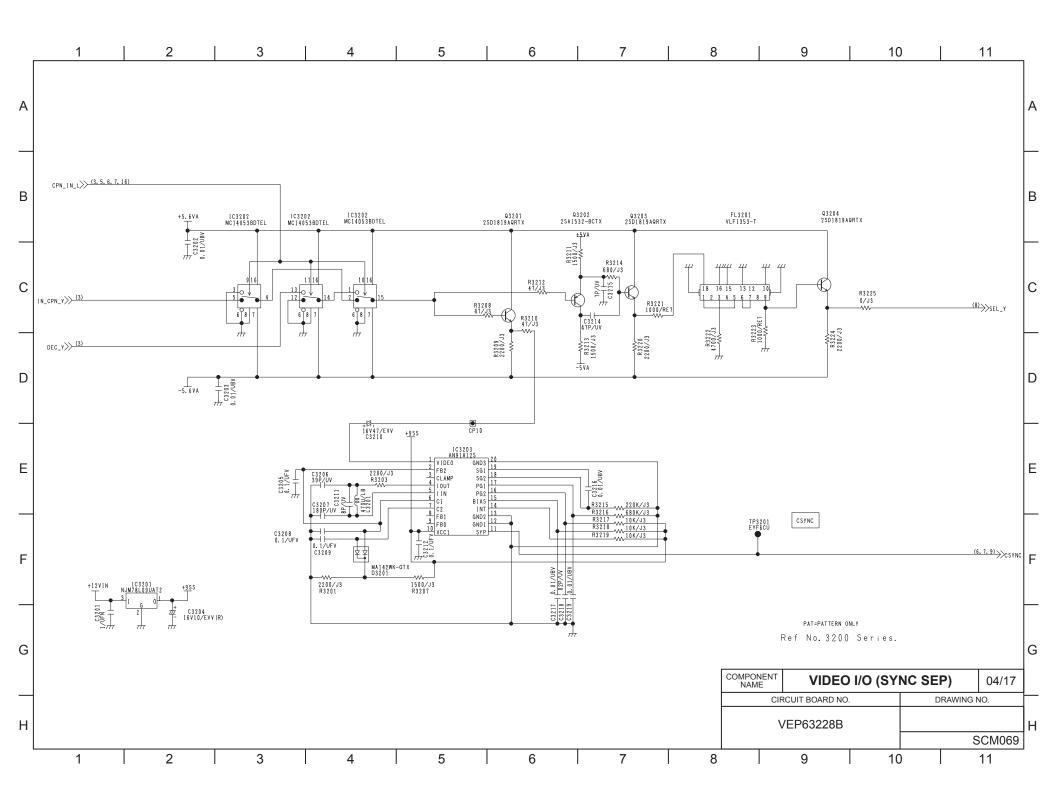


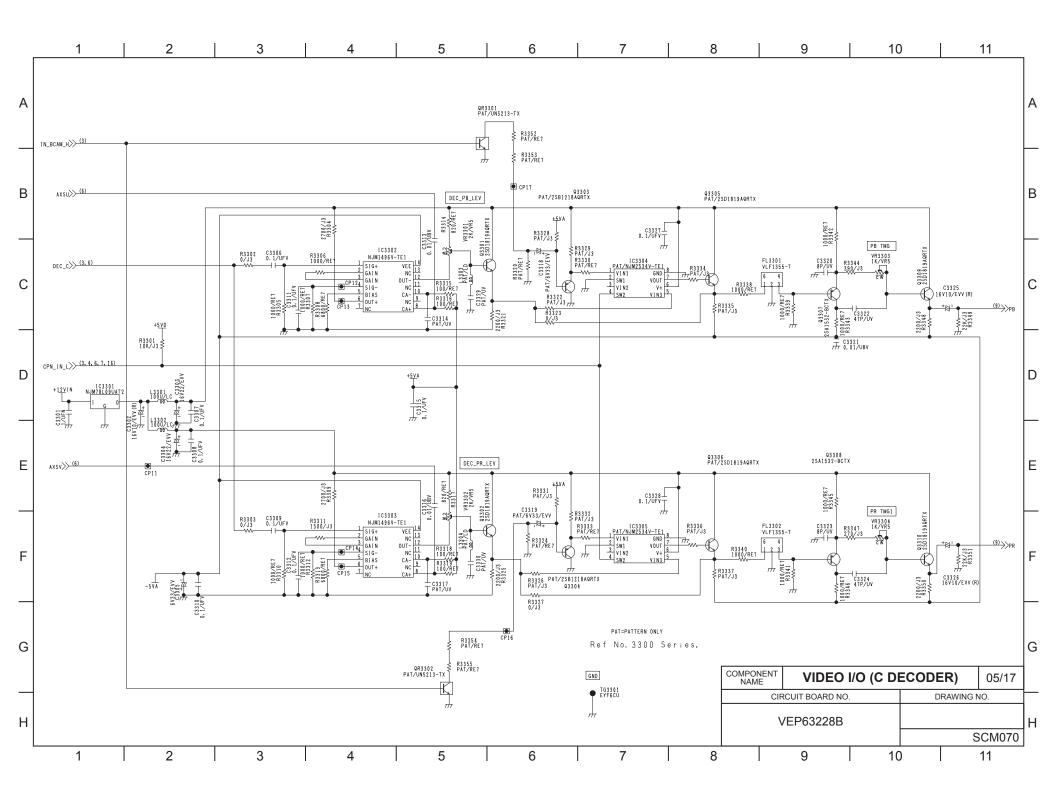


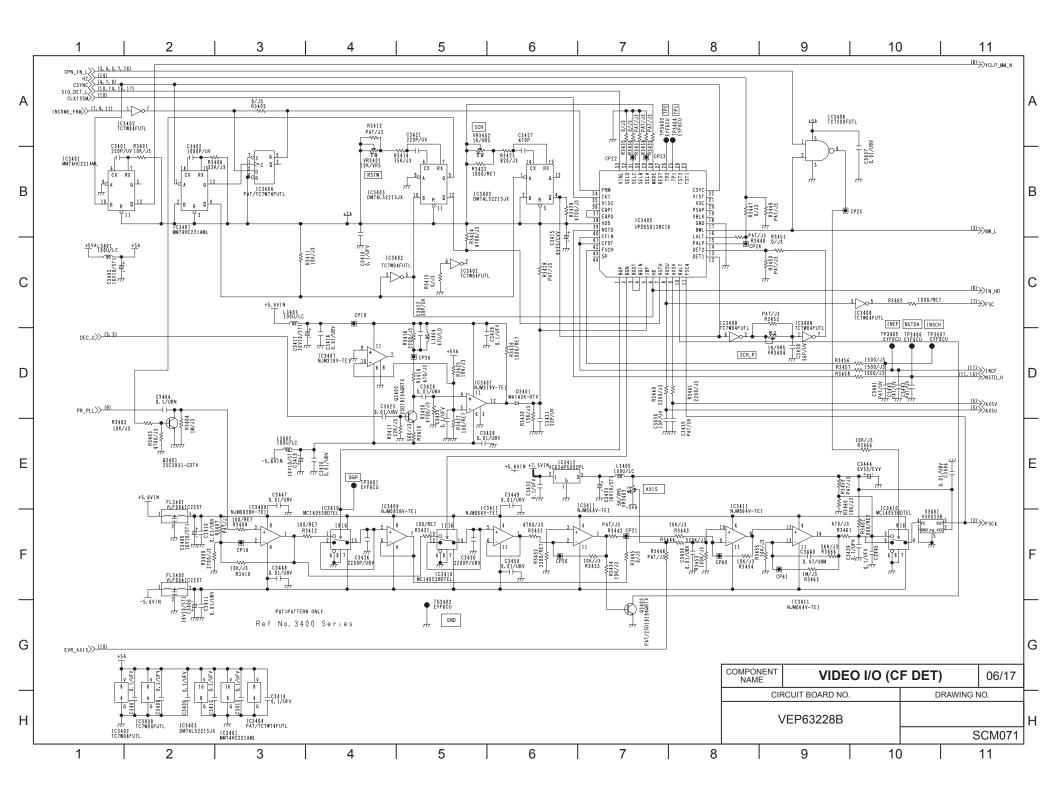


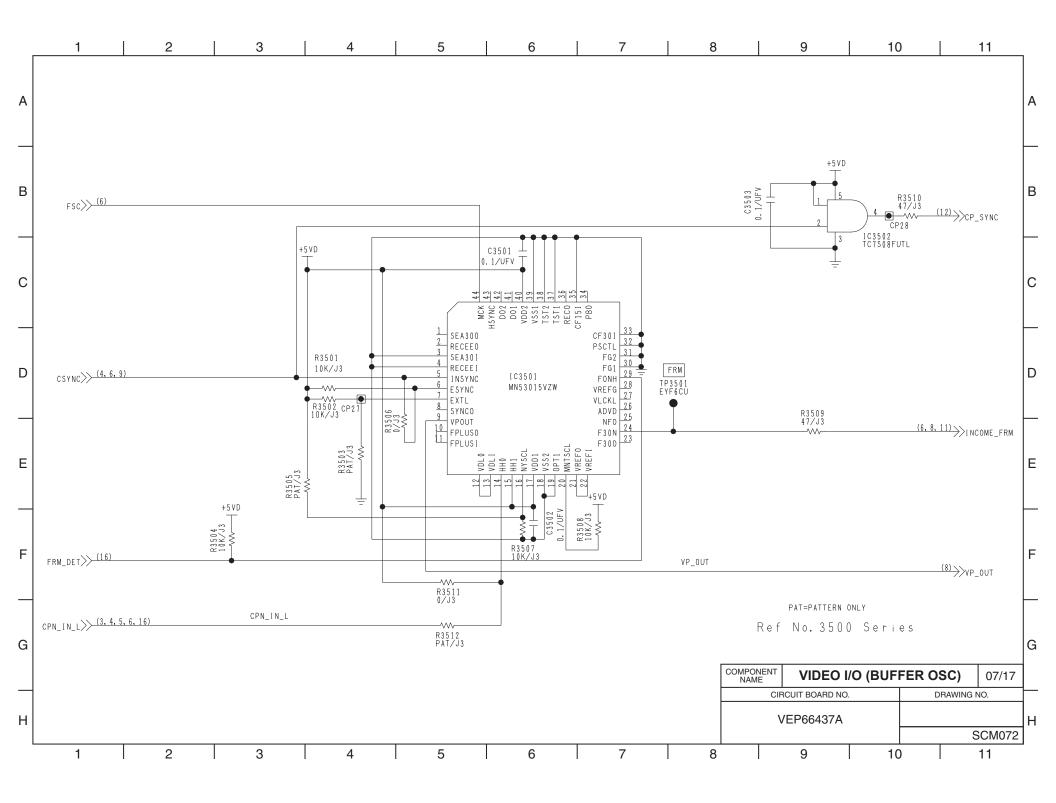


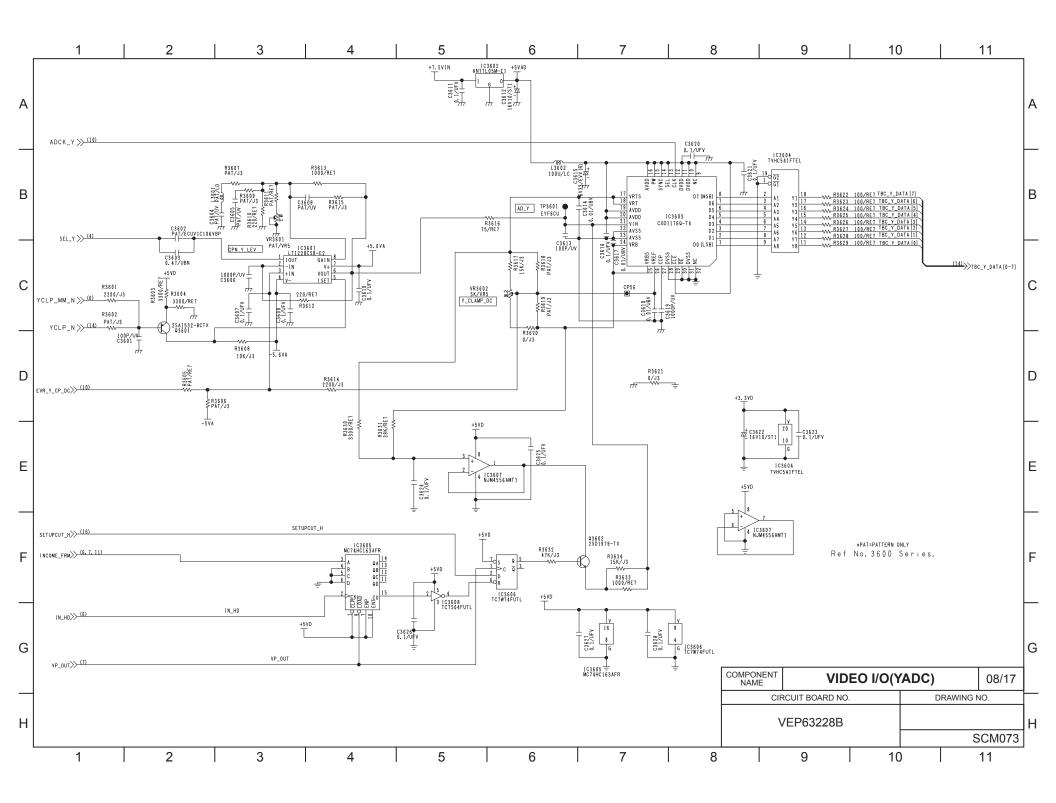


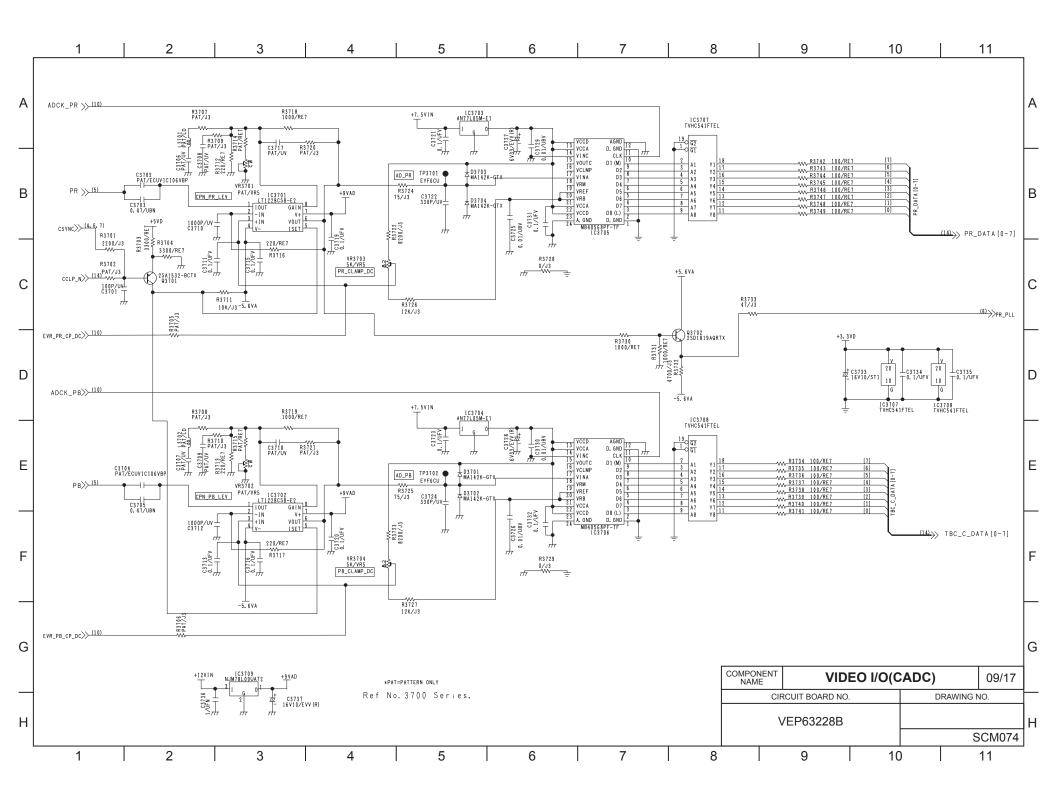


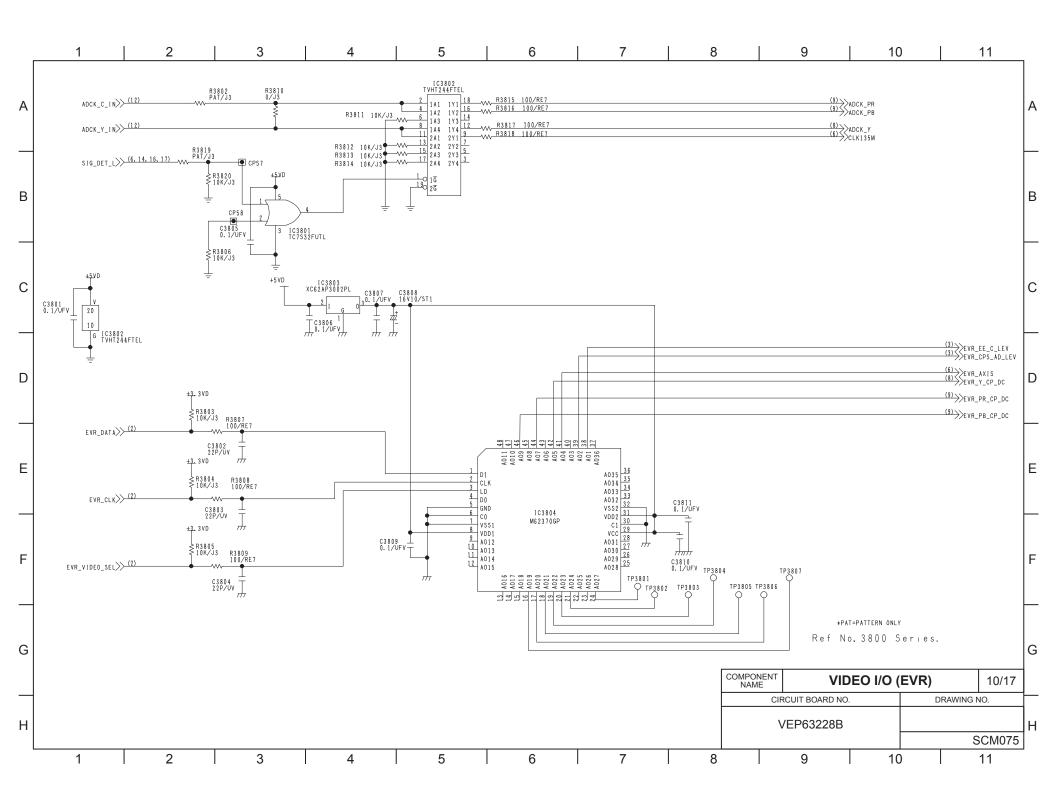


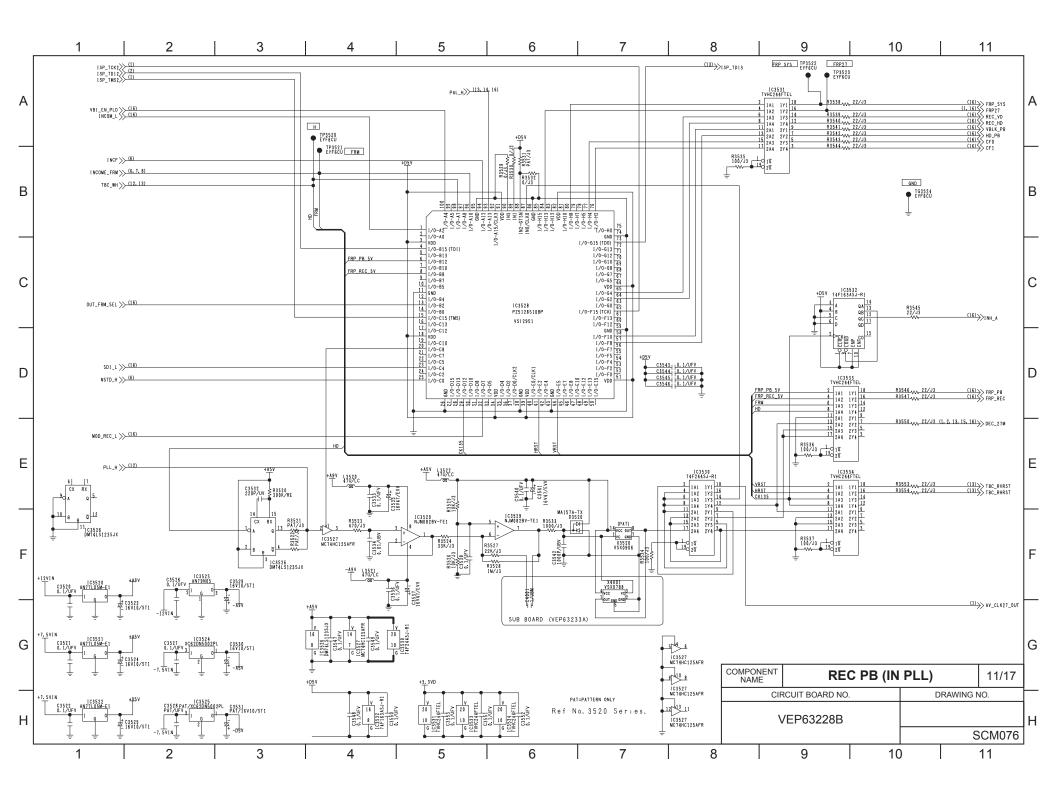


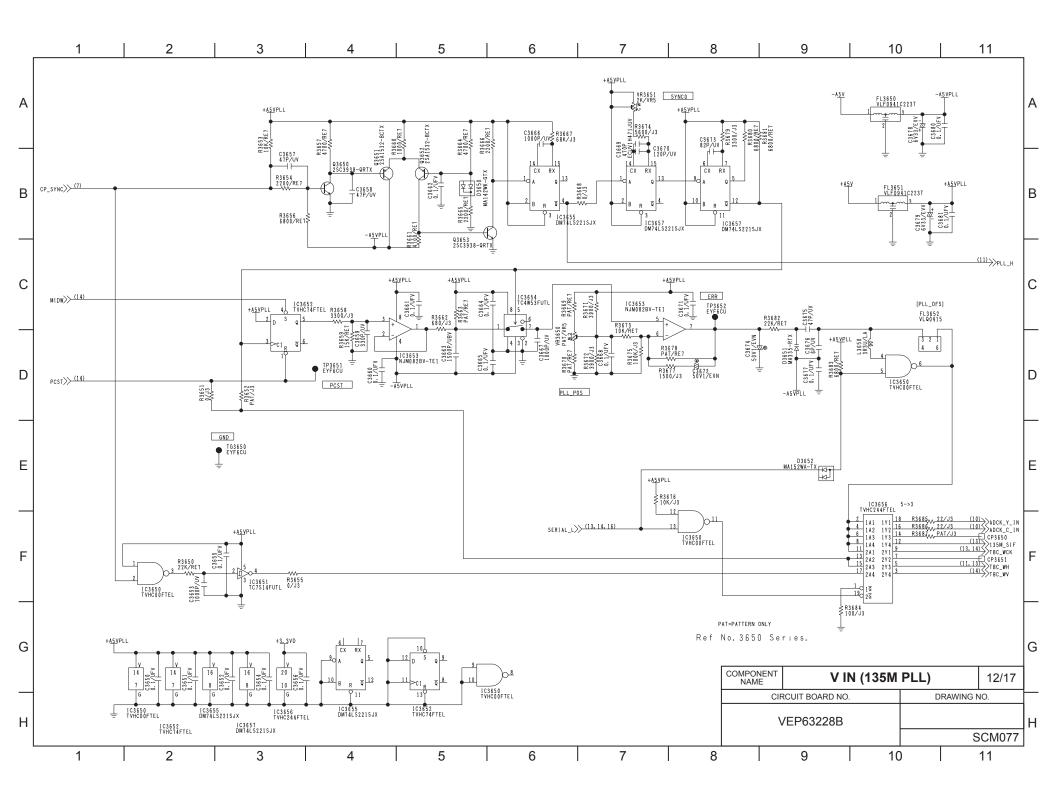


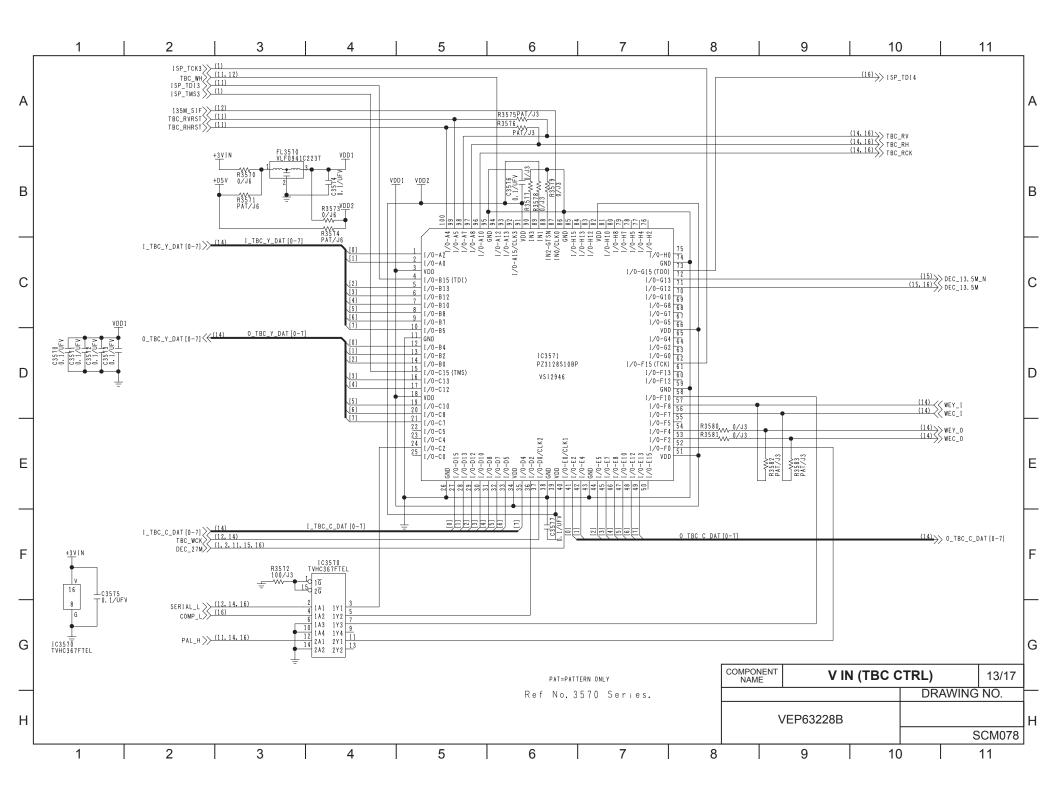


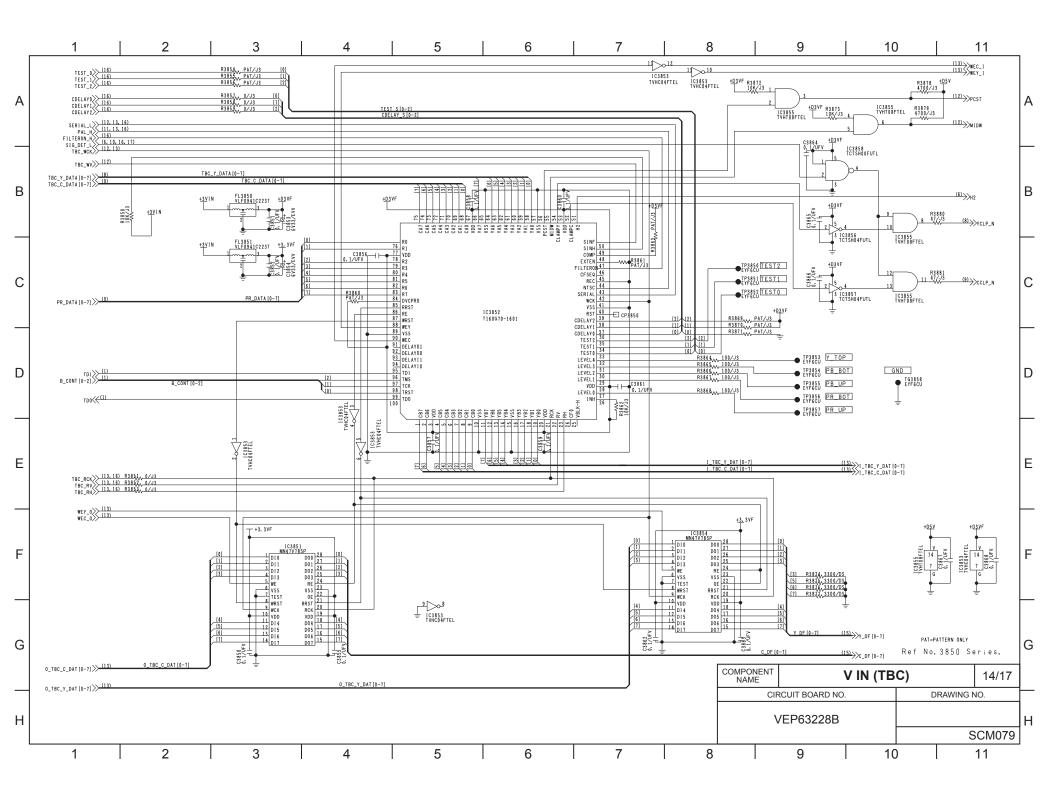


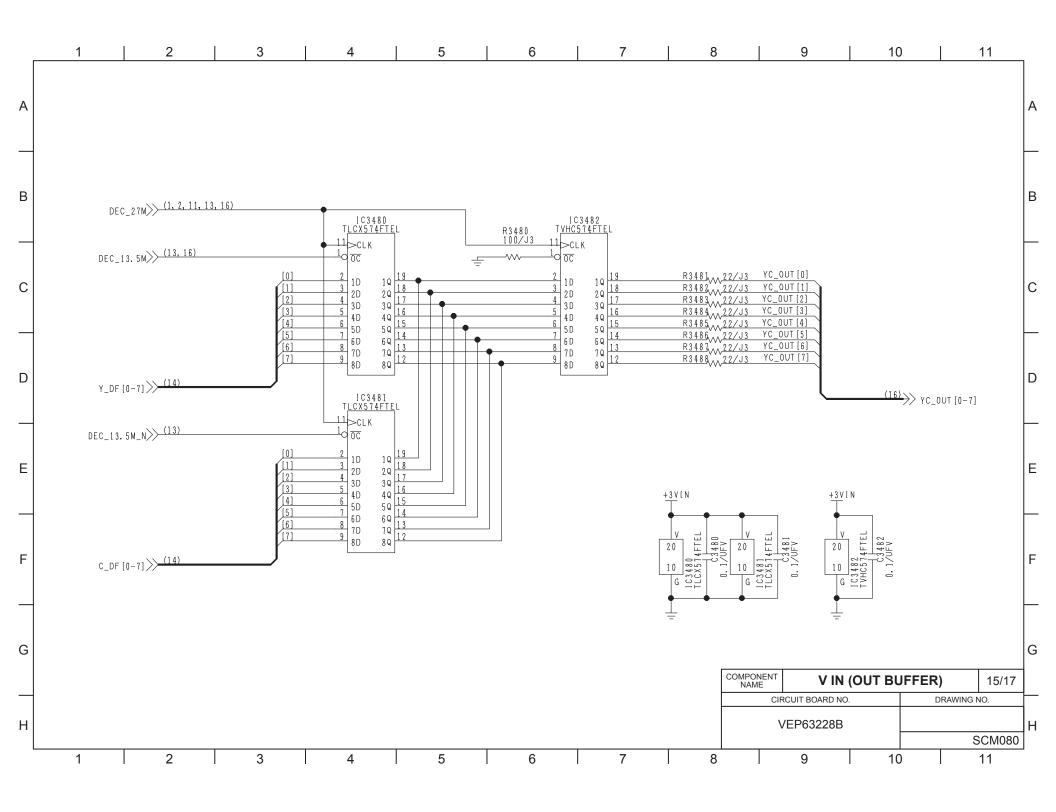


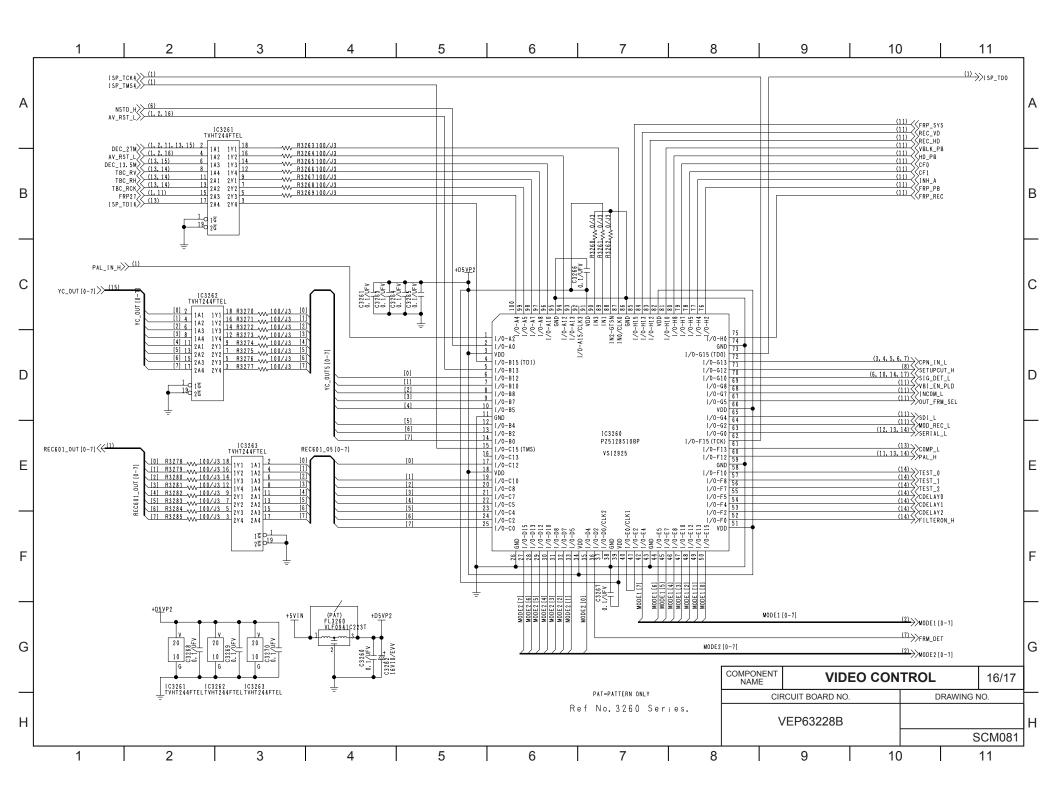


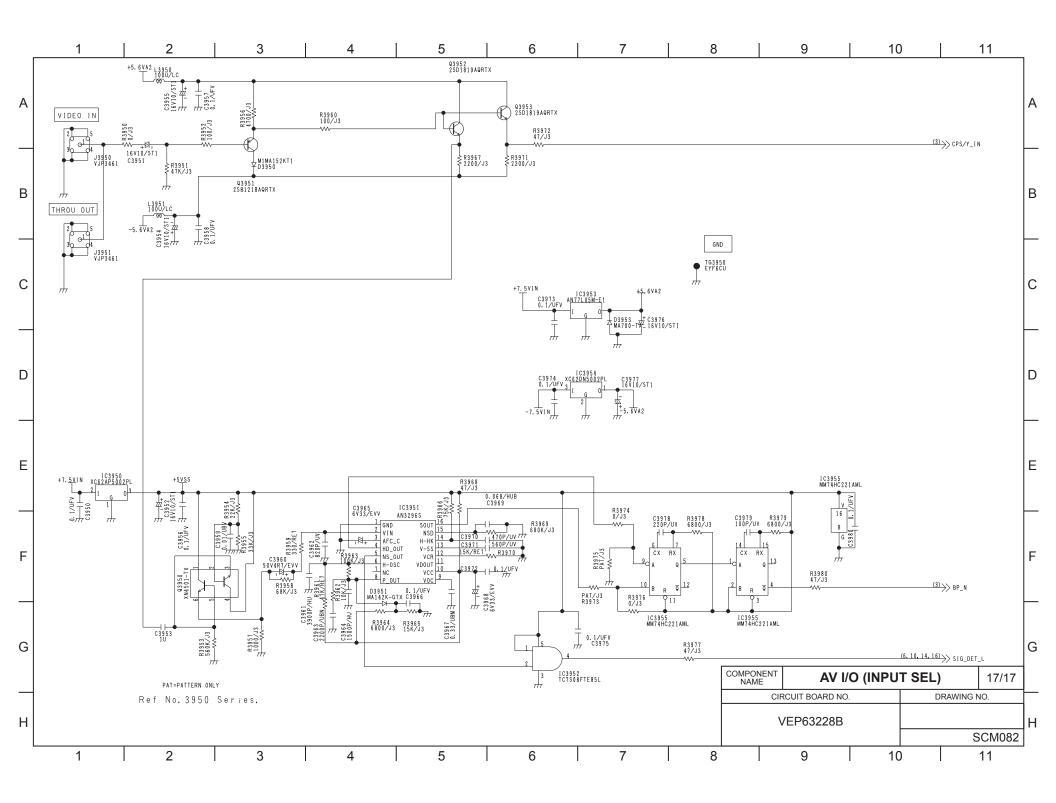


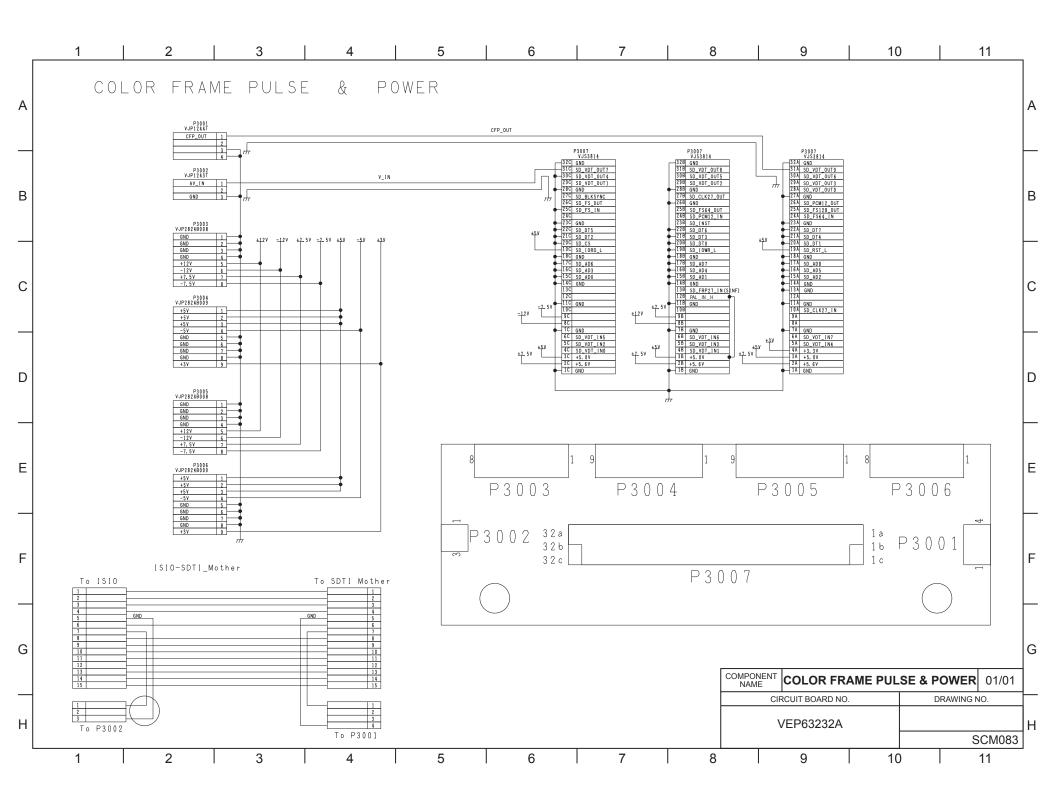


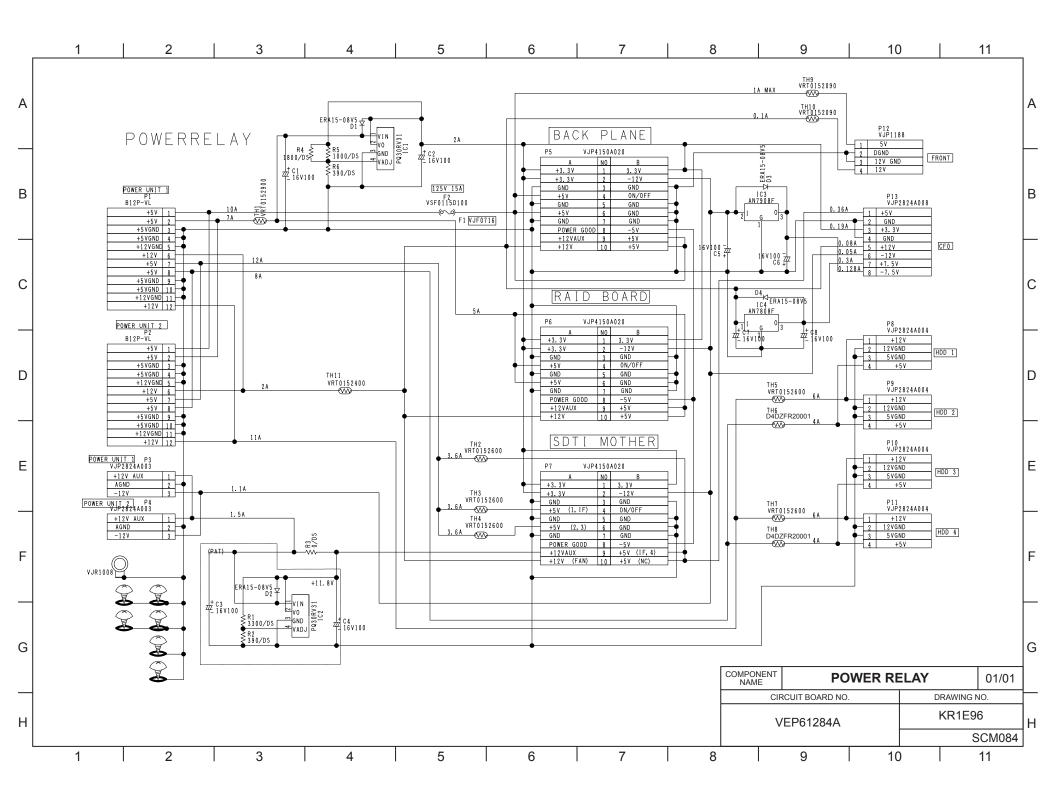


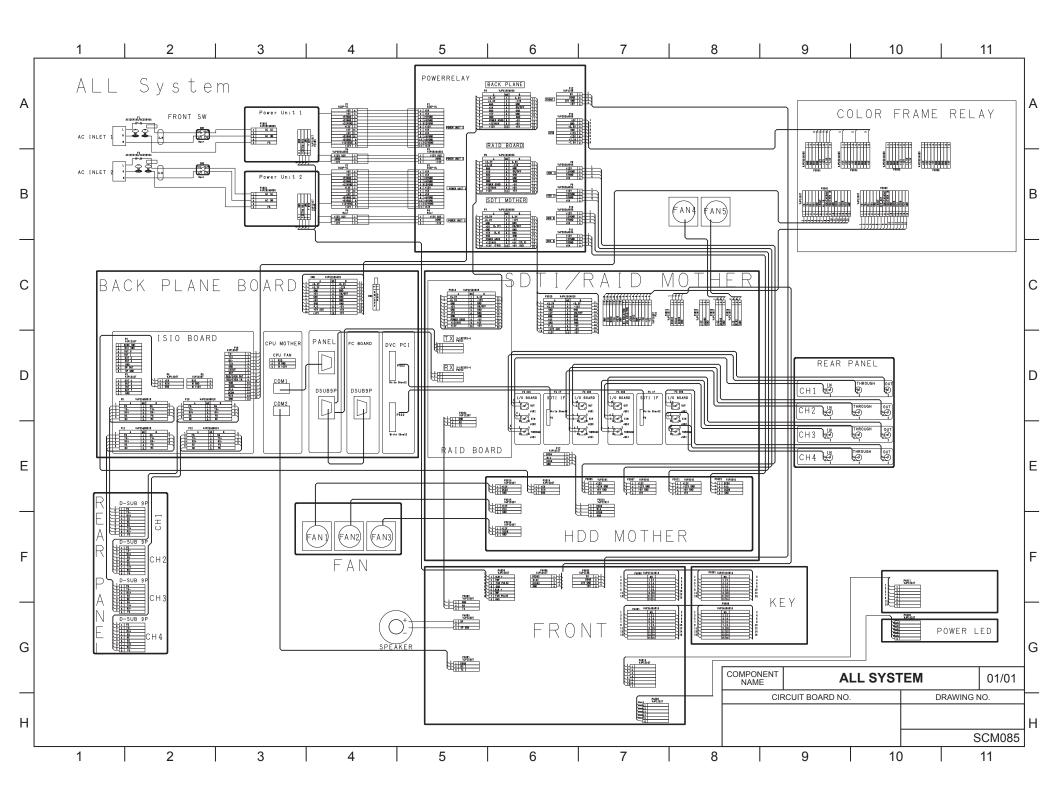


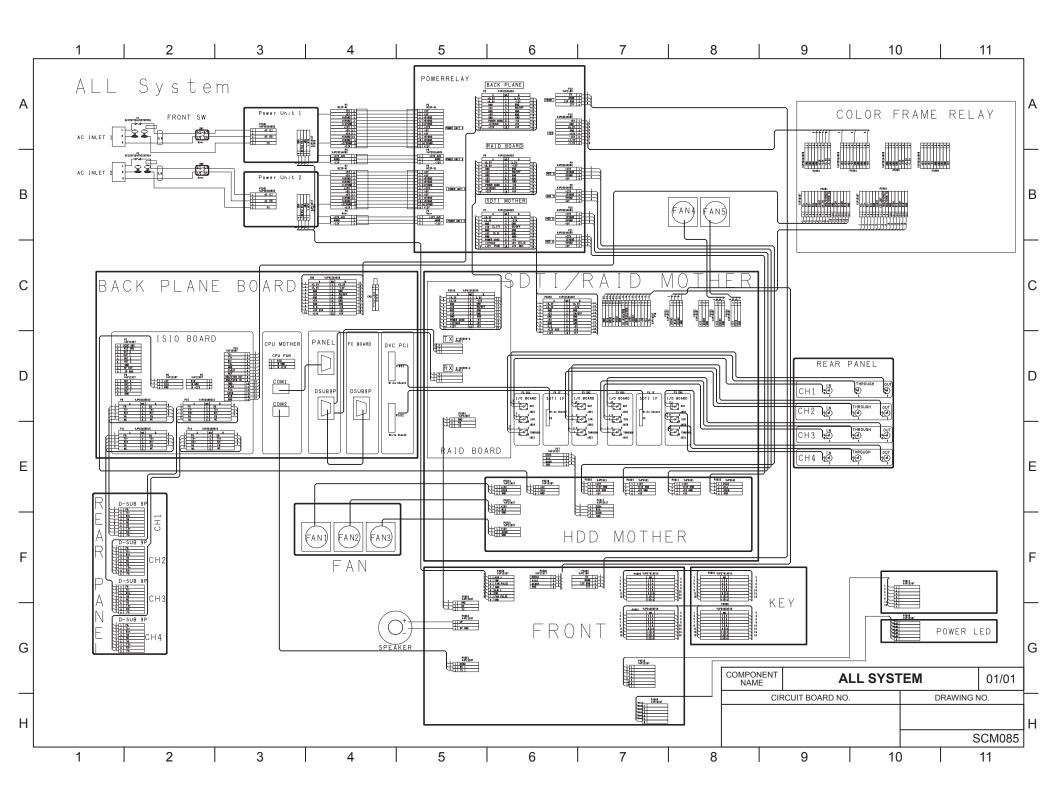












SECTION 7

CIRCUIT BOARD DIAGRAMS

NOTE:

BE SURE TO MAKE YOUR ORDERS OF REPLACEMENT PARTS ACCORDING TO PARTS LIST. SECTION 8

CAUTION

THE MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT.

PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

IMPORTANT SAFETY NOTICE:

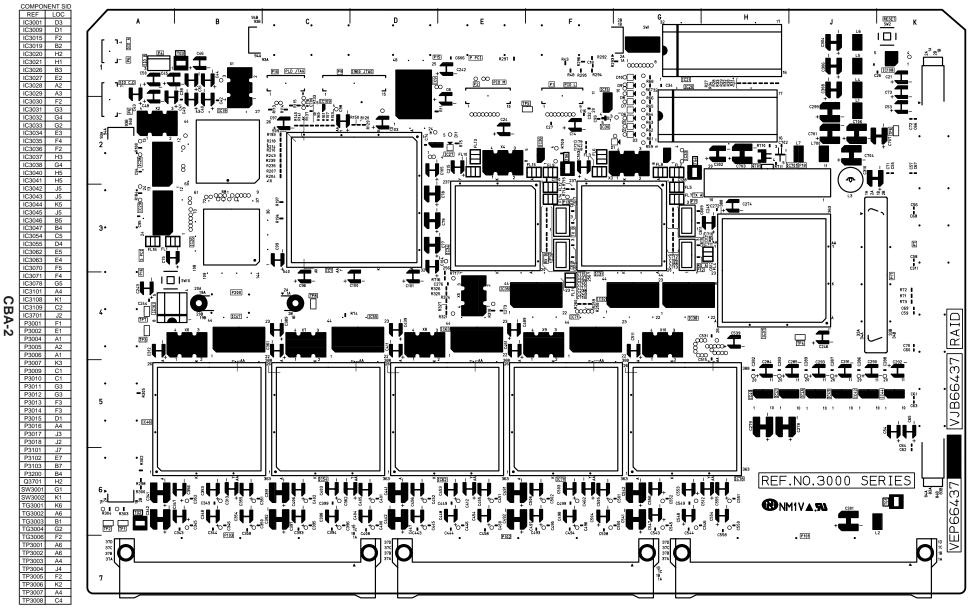
COMPONENTS IDENTIFIED WITH THE MARK \triangle HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

CONTENTS

• FRONT MAIN P.C.BOARD (VEP66443A)	CBA-1
• RAID P.C.BOARD (VEP66437A)	CBA-2
• SDTI/RAID P.C.BOARD (VEP60666A)	CBA-5
• HDD MOTHER P.C.BOARD (VEP60645A)	CBA-7
• POWER 1 P.C.BOARD (VEP61286A)	CBA-9
• POWER 2 P.C.BOARD (VEP61287A)	CBA-10
• POWER RELAY P.C.BOARD (VEP61284A)	CBA-11
• DVC-PCI P.C.BOARD (VEP83457A)	CBA-12
• ISIO P.C.BOARD (VEP66413C)	CBA-14
• SDTI I/F 1/2 P.C.BOARD (VEP66414D/B)	CBA-17
• FRONT SW P.C.BOARD (VEP66445A)	CBA-19
POWER CONNECTION P.C.BOARD (VEP80C05A)	CBA-19
FUNCTION SW P.C.BOARD (VEP66446A)	CBA-20
• FRONT LED P.C.BOARD (VEP66447A)	CBA-20
• ALARM SUB P.C.BOARD (VEP60671A)	CBA-20
VIDEO DECODER P.C.BOARD (VEP63228B)	CBA-21
COLOR FRAME INT P.C.BOARD (VEP63232A)	CBA-25

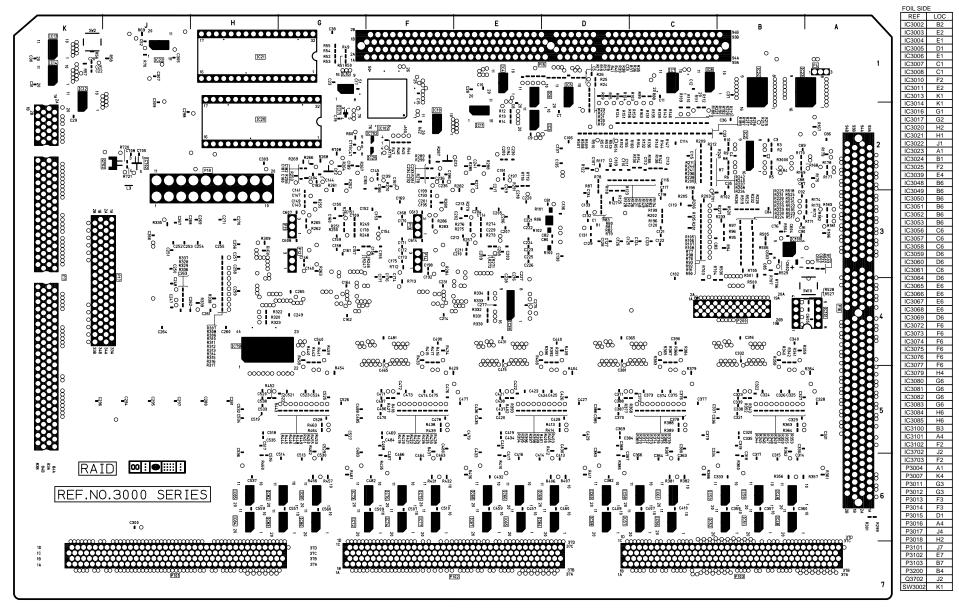
(FOIL SIDE)

RAID P.C.BOARD (VEP66437A)

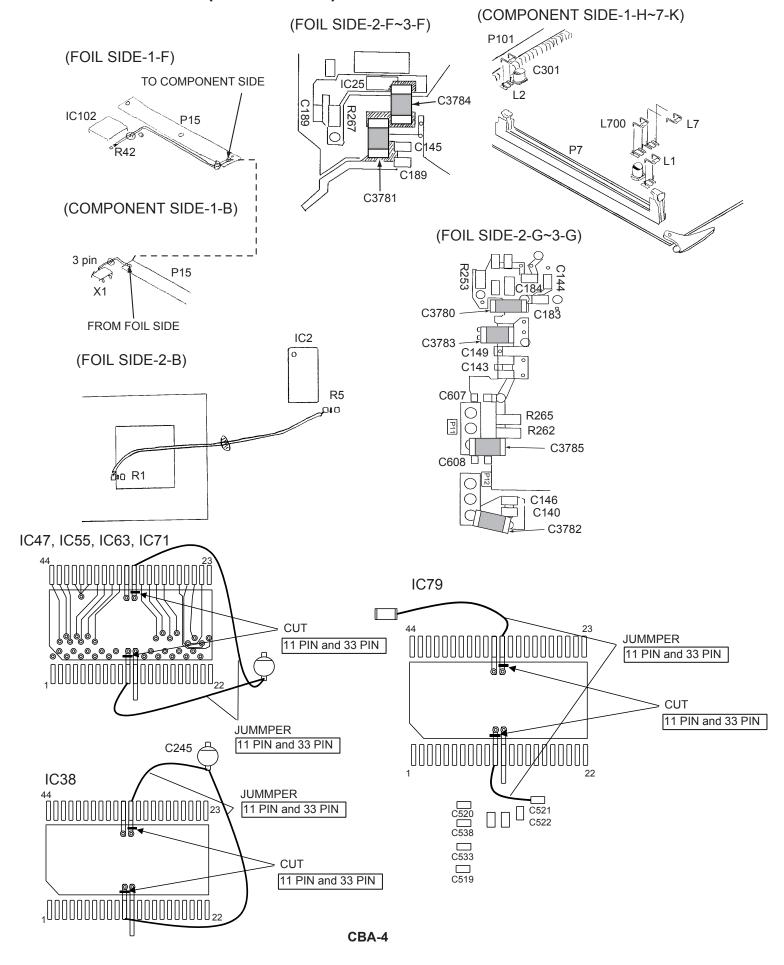


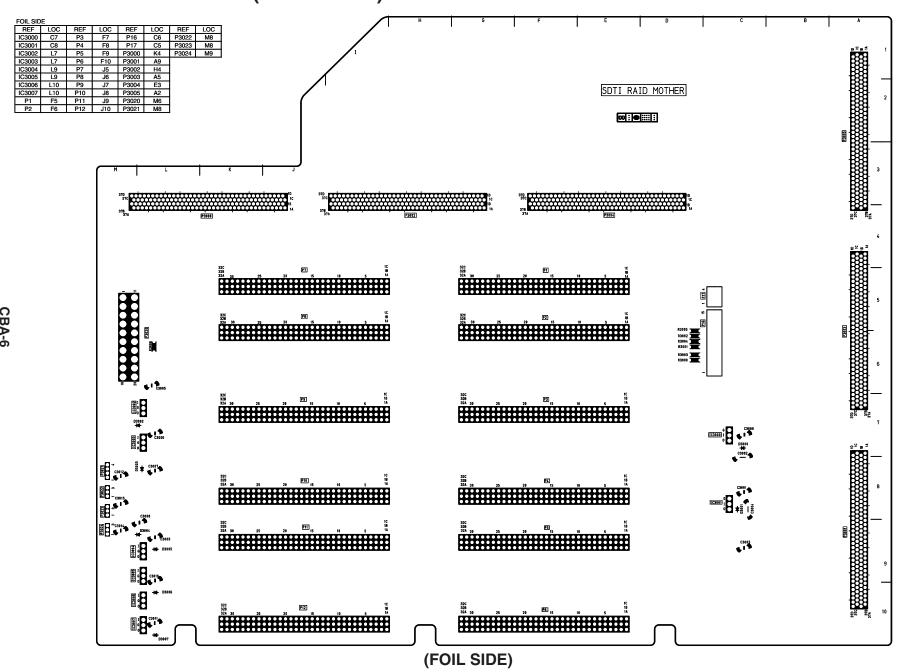
(COMPONENT SIDE)

RAID P.C.BOARD (VEP66437A)



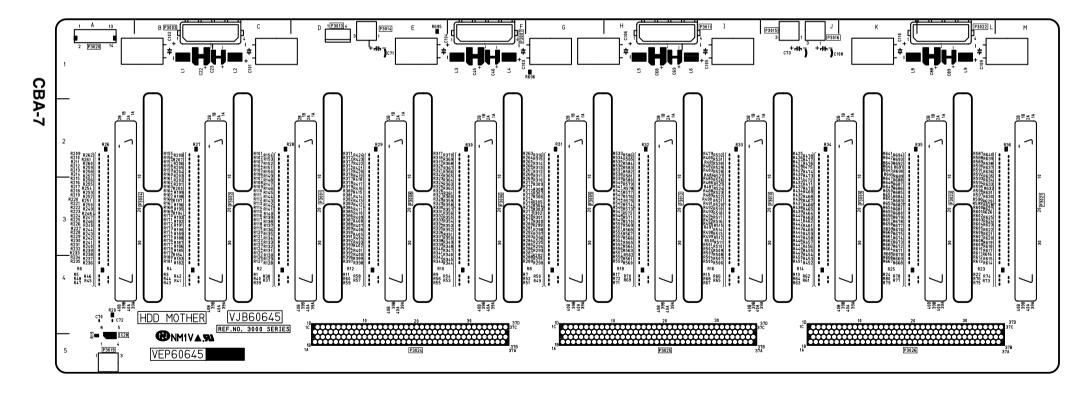
RAID P.C.BOARD (VEP66437A)



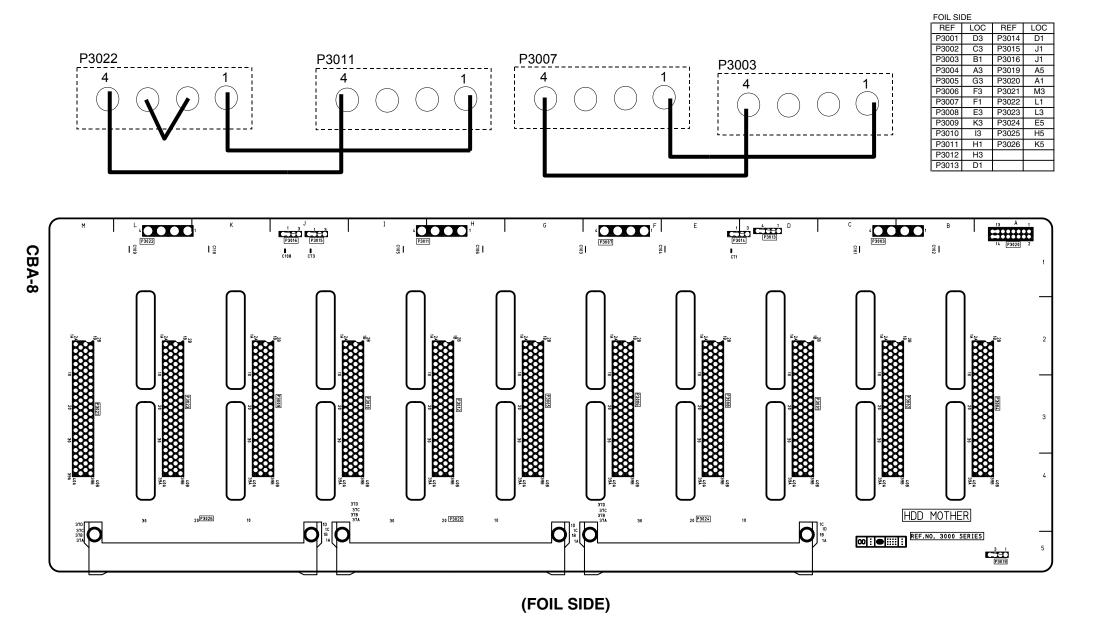


HDD MOTHER P.C. BOARD (VEP60645A)

COMPONENT SIDE			
REF	LOC	REF	LOC
IC3028	A5	P3013	D1
P3001	D3	P3014	D1
P3002	C3	P3015	J1
P3003	B1	P3016	J1
P3004	A3	P3019	A5
P3005	G3	P3020	A1
P3006	F3	P3021	М3
P3007	F1	P3022	L1
P3008	E3	P3023	L3
P3009	K3	P3024	E5
P3010	13	P3025	H5
P3011	H1	P3026	K5
P3012	H3		



HDD MOTHER P.C. BOARD (VEP60645A)



POWER 1 P.C.BOARD (VEP61286A)

内は充電部です。AC100Vが加わっておりますので点検、 修理のときは感電しないよう充分ご注意ください。

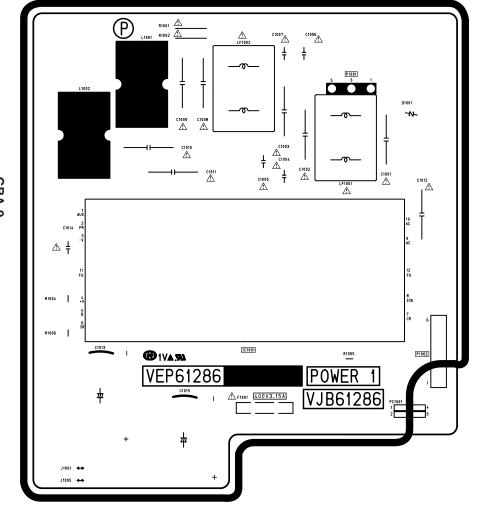
CAUTION

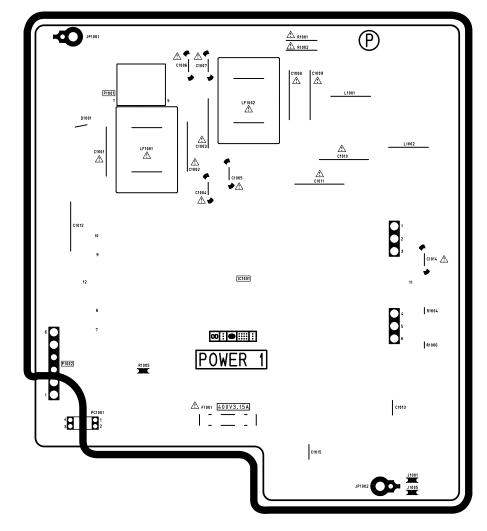
THE MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

⚠ 警告

IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.





(COMPONENT SIDE)

(FOIL SIDE)

POWER 2 P.C.BOARD (VEP61287A)

| 内は充電部です。AC100Vが加わっておりますので点検、 修理のときは感電しないよう充分ご注意ください。

CAUTION

THE _____ MARK INDICATES THE PRIMARY CIRCUIT TO DISTINGUISH THE PRIMARY FROM THE SECONDARY CIRCUIT. PAY ATTENTION NOT TO RECEIVE AN ELECTRIC SHOCK DURING REPAIR AND SERVICE OF THE PRODUCTS.

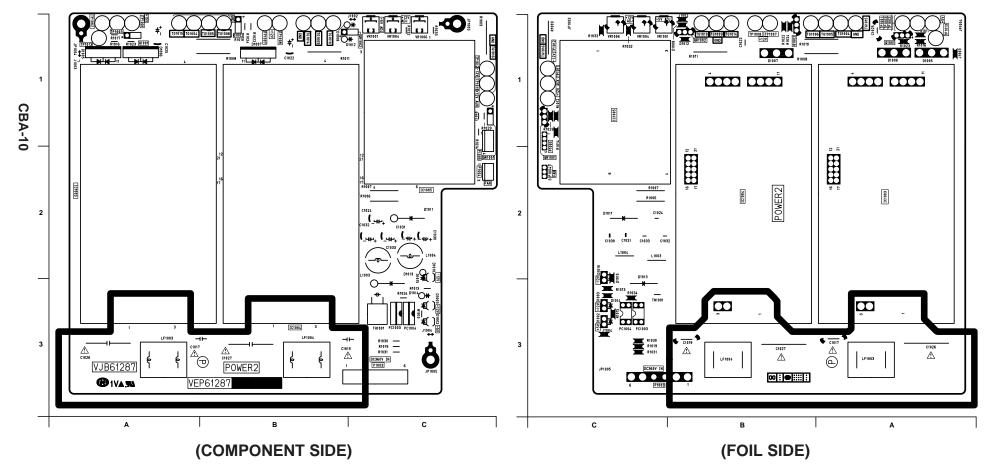
⚠ 警告

IMPORTANT SAFETY NOTICE:

COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE

FOIL SID	E						
REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1003	A2	QR1002	B1	TP1001	A1	VR1004	C1
IC1004	B2	TG1004	A1	TP1002	A1	VR1006	C1
IC1005	C1	TG1005	A1	TP1003	A1		
P1003	C3	TG1006	B1	TP1007	B1		
P1004	C2	TG1009	B1	TP1008	B1		
P1005	C1	TG1010	B1	TP1011	C1		
Q1001	A1	TG1014	B1	TP1012	C1		
Q1002	B1	TG1015	A1	TP1013	A1		
QR1001	C1	TG1016	C1	VR1001	C1		

COMPO							
REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC1003	A2	QR1002	C1	TP1001	A1	VR1004	C1
IC1004	B2	TG1004	A1	TP1002	A1	VR1006	C1
IC1005	C1	TG1005	B1	TP1003	A1		
P1003	C3	TG1006	B1	TP1007	B1		
P1004	C2	TG1009	B1	TP1008	B1		
P1005	C1	TG1010	B1	TP1011	C1		
Q1001	A1	TG1014	B1	TP1012	C1		
Q1002	B1	TG1015	A1	TP1013	A1		
QR1001	C1	TG1016	C1	VR1001	C1		



POWER RELAY P.C.BOARD (VEP61284A)

☆ 警告

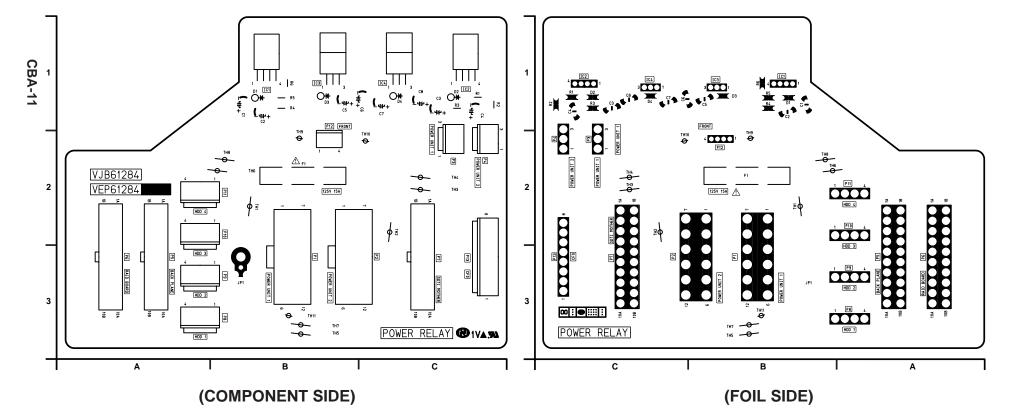
◇ の部品は、安全上重要な部品です。

交換するときは、安全及び性能維持のため、
必ず指定の部品をご使用ください。

IMPORTANT SAFETY NOTICE:

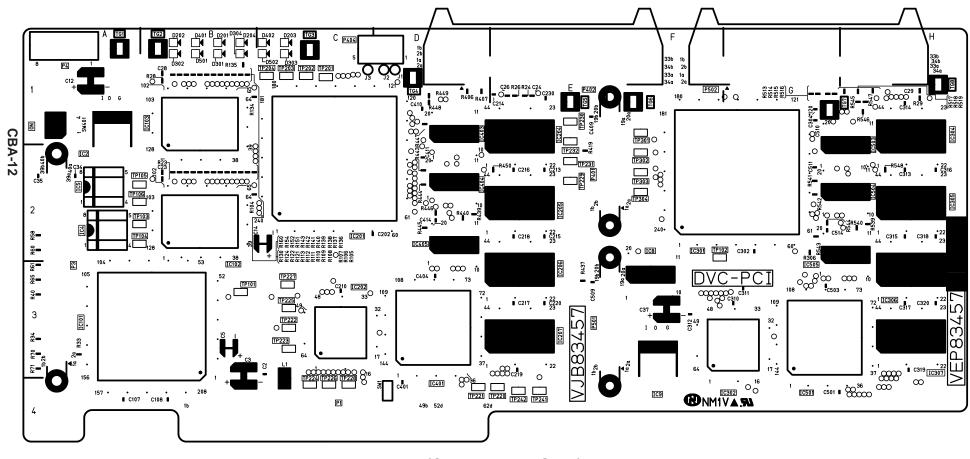
COMPONENTS IDENTIFIED WITH THE MARK A HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE

ENT SIDE	SAME TYPE.	FOIL SIDE
NT SIDE LOC		REF LOC
B1 C1		IC1 B1
C1		IC2 C1
B1		IC3 B1
C1		IC4 C1
B3		P1 B3
B3		P2 B3
C2		P3 C2
C2		P4 C2
A3		P5 A3
A3		P6 A3
C3		P7 C3
A3		P8 A3
A3		P9 A3
A2		P10 A2
A2		P11 A2
B1 C1 B3 B3 B3 C2 C2 C2 A3 A3 A3 A3 A3 A2 A2 A2 B2 B2 C3		P12 B2
C3		P13 C3



DVC-PCI P.C.BOARD (VEP83457A)

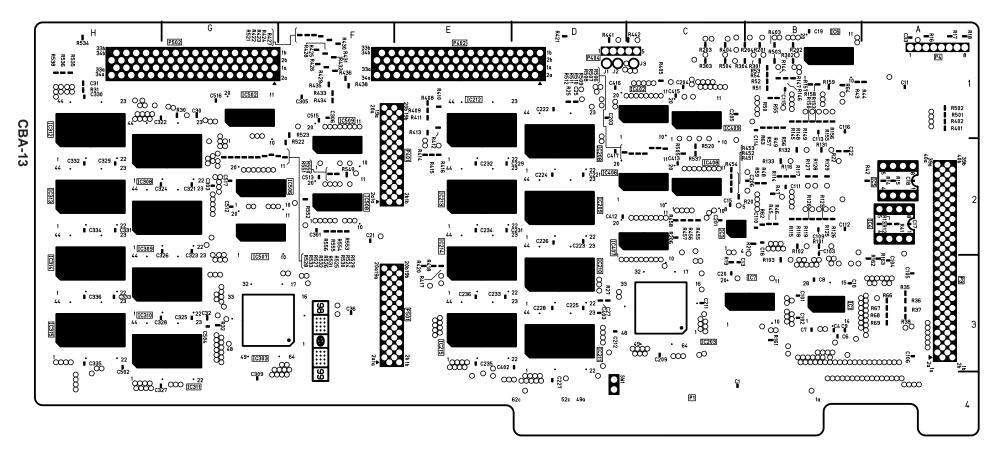
COMPONENT SIDE										
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	
IC2	A2	IC302	G3	P4	A1	TG8	H1	TP224	C4	
IC4	A2	IC304	H1	P401	E2	TP101	B3	TP225	C3	
IC5	A2	IC305	H2	P402	E1	TP102	F2	TP226	C4	
IC8	F3	IC306	H3	P404	C1	TP103	A2	TP227	C3	
IC9	F4	IC307	H3	P501	E3	TP104	A2	TP228	C4	
IC101	B3	IC401	D3	P502	G1	TP105	A2	TP229	E2	
IC102	B2	IC403	D1	SW1	D4	TP106	A2	TP230	E1	
IC103	B1	IC404	D2	SW401	A1	TP201	C1	TP231	E2	
IC201	C2	IC405	D2	TG1	A1	TP202	C1	TP232	E1	
IC202	C3	IC501	G3	TG2	B1	TP203	C1	TP241	E4	
IC204	E1	IC503	H1	TG3	C1	TP204	C1	TP242	E4	
IC205	E2	IC504	H2	TG4	D1	TP220	E4	TP301	F1	
IC206	E3	IC505	H2	TG5	E1	TP221	D4	TP302	F2	
IC207	E3	P1	C4	TG6	F1	TP222	C3	TP303	F2	
IC301	G1	P3	A3	TG7	G1	TP223	C3	TP304	F2	



(COMPONENT SIDE)

DVC-PCI P.C.BOARD (VEP83457A)

FOIL SID	E				
REF	LOC	REF	LOC	REF	LOC
IC1	B3	IC303	G3	IC506	G2
IC3	C2	IC308	G2	IC507	G2
IC4	A2	IC309	G2	IC508	F2
IC5	A2	IC310	G3	IC509	F2
IC6	B1	IC311	G3	P1	C4
IC7	B3	IC312	H1	P3	A3
IC203	C3	IC313	H2	P4	A1
IC208	D2	IC314	H3	P401	F2
IC209	D2	IC315	H3	P402	E1
IC210	D3	IC402	C1	P404	D1
IC211	D3	IC406	C2	P501	F3
IC212	E1	IC407	C2	P502	G1
IC213	E2	IC408	C2	SW1	D4
IC214	E3	IC409	C1		
IC215	E3	IC502	G1		

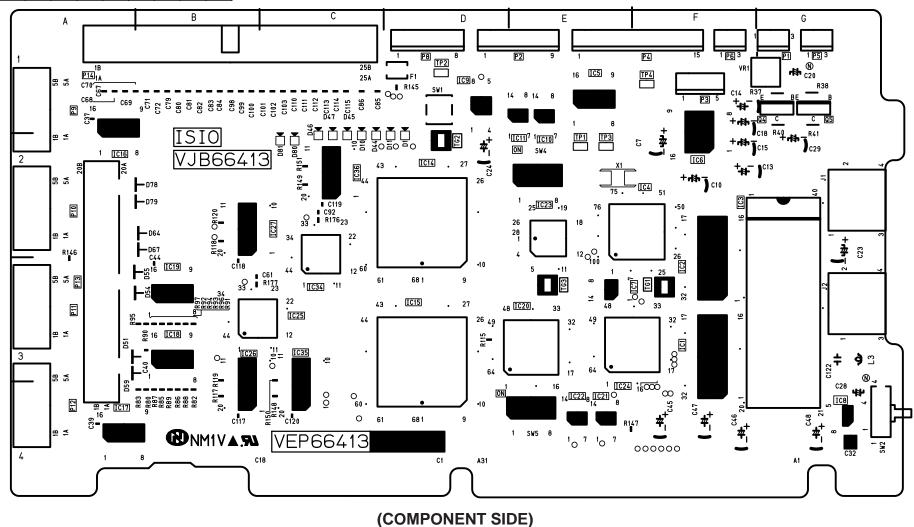


(FOIL SIDE)

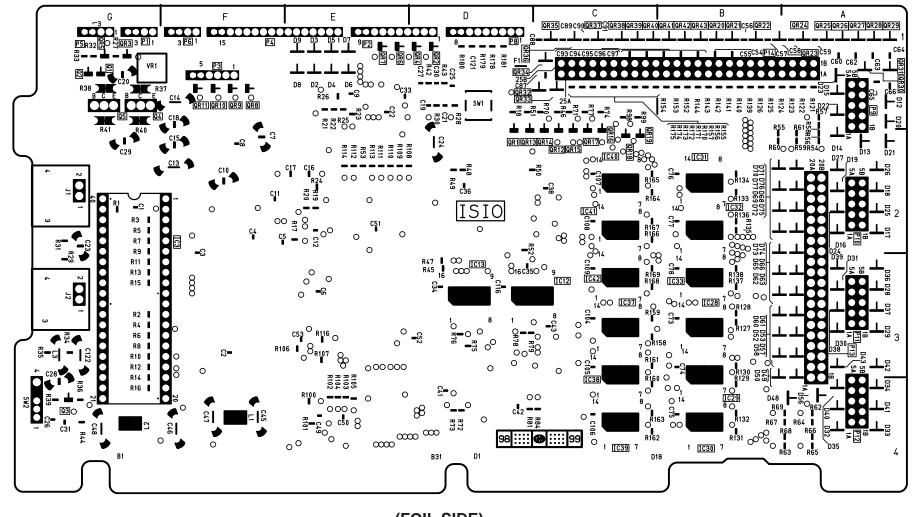
ISIO P.C.BOARD (VEP66413C)

COMPO	NENT SID	E							
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	A2	IC302	G3	P4	A1	TG8	H1	TP224	C4
IC4	A2	IC304	H1	P401	E2	TP101	B3	TP225	C3
IC5	A2	IC305	H2	P402	E1	TP102	F2	TP226	C4
IC8	F3	IC306	H3	P404	C1	TP103	A2	TP227	C3
IC9	F4	IC307	H3	P501	E3	TP104	A2	TP228	C4
IC101	B3	IC401	D3	P502	G1	TP105	A2	TP229	E2
IC102	B2	IC403	D1	SW1	D4	TP106	A2	TP230	E1
IC103	B1	IC404	D2	SW401	A1	TP201	C1	TP231	E2
IC201	C2	IC405	D2	TG1	A1	TP202	C1	TP232	E1
IC202	C3	IC501	G3	TG2	B1	TP203	C1	TP241	E4
IC204	E1	IC503	H1	TG3	C1	TP204	C1	TP242	E4
IC205	E2	IC504	H2	TG4	D1	TP220	E4	TP301	F1
IC206	E3	IC505	H2	TG5	E1	TP221	D4	TP302	F2
IC207	E3	P1	C4	TG6	F1	TP222	C3	TP303	F2
IC301	G1	P3	A3	TG7	G1	TP223	C3	TP304	F2

CBA-14



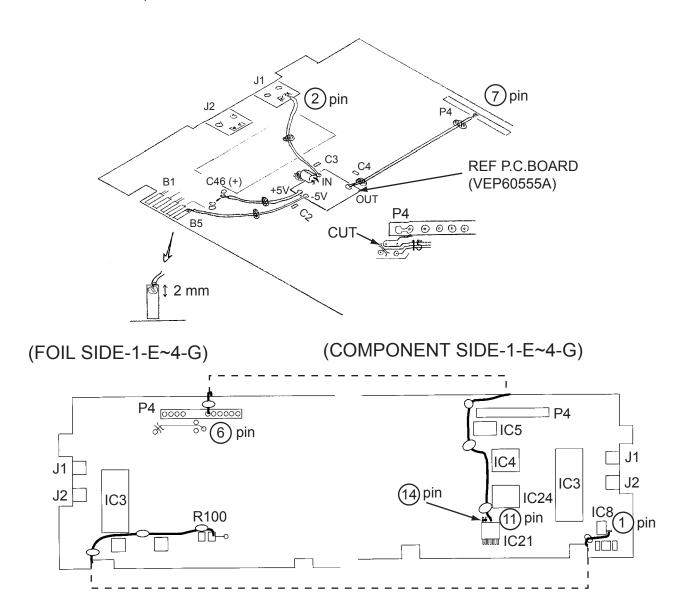
CBA-15

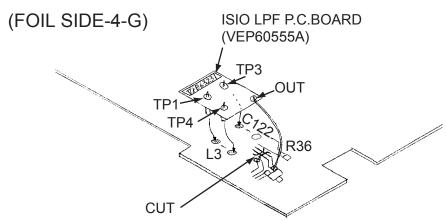


(FOIL SIDE)

ISIO P.C.BOARD (VEP66413C)

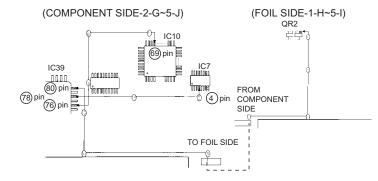
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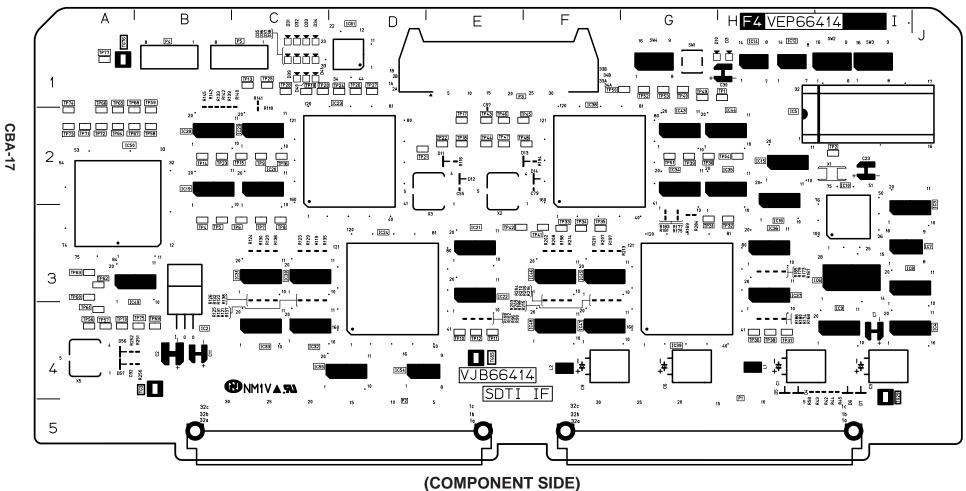




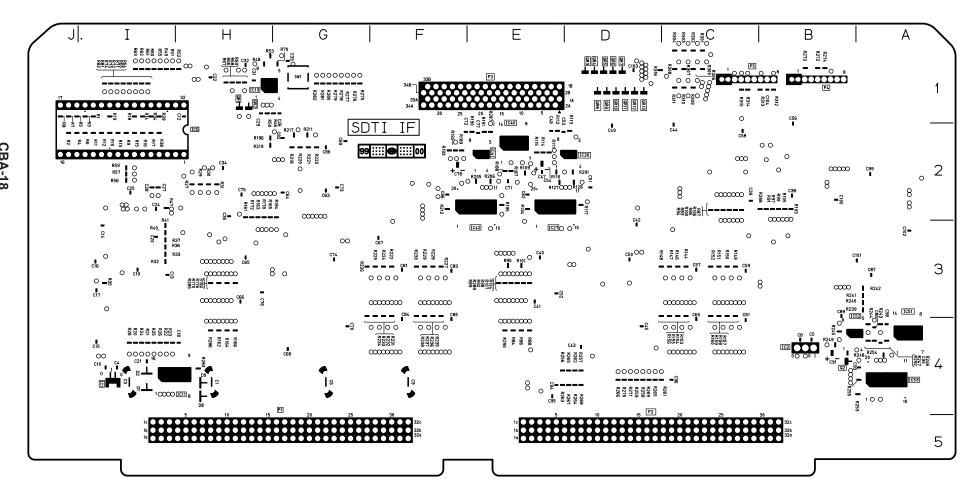
SDTI IF 1/2 P.C.BOARD (VEP66414D/B)

COMPO	NENT SID	E															
REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC2	B3	IC21	E3	IC39	G3	P4	B1	TP7	СЗ	TP22	E2	TP38	H4	TP53	G1	TP69	B4
IC3	13	IC22	E3	IC43	G2	P5	C1	TP8	C3	TP23	B2	TP39	G2	TP54	H2	TP70	A4
IC4	14	IC23	D2	IC44	H2	SW1	G1	TP9	C2	TP24	D1	TP40	G1	TP56	A4	TP71	A2
IC5	12	IC24	D3	IC45	F3	SW2	l1	TP10	E4	TP25	C1	TP41	F3	TP57	A4	TP72	A2
IC6	13	IC28	B2	IC46	F3	SW3	l1	TP11	E4	TP26	D1	TP42	E3	TP58	B2	TP73	A2
IC7	13	IC29	C2	IC47	F4	SW4	G1	TP12	E4	TP27	D1	TP43	E2	TP59	B2	TP74	A2
IC8	13	IC30	C3	IC48	F4	TG3	B4	TP13	C1	TP28	C1	TP44	E2	TP60	A3	TP75	B4
IC9	14	IC31	C3	IC49	A3	TG29	14	TP14	B2	TP30	G2	TP45	E2	TP61	A4	TP77	A1
IC10	13	IC32	C4	IC50	A2	TG55	E4	TP15	C2	TP31	G3	TP46	E2	TP62	A3		
IC12	H1	IC33	C4	IC54	D4	TG76	A1	TP16	C2	TP32	H3	TP47	E2	TP63	A3		
IC14	H1	IC34	G2	IC55	D4	TP1	H1	TP17	E2	TP33	F3	TP48	F2	TP64	A2		
IC15	H2	IC35	H2	IC61	D1	TP2	12	TP18	E2	TP34	F3	TP49	G1	TP65	A2		
IC16	H2	IC36	H3	P1	G5	TP4	В3	TP19	C1	TP35	F3	TP50	G1	TP66	A2		
IC19	B2	IC37	H3	P2	D5	TP5	B3	TP20	C1	TP36	H4	TP51	G2	TP67	A2		
IC20	C2	IC38	F2	P3	E1	TP6	C3	TP21	D2	TP37	H4	TP52	G1	TP68	A2		



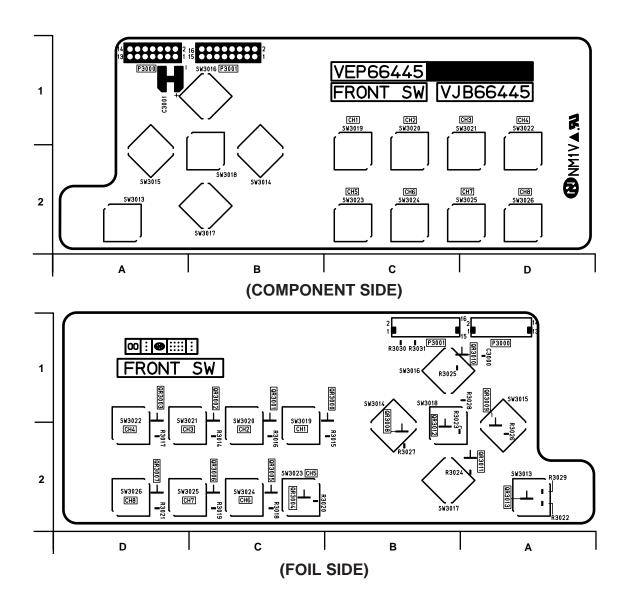


FOIL SID	E				
REF	LOC	REF	LOC	REF	LOC
IC1	14	P3	E1	QR12	D1
IC2	B4	P4	B1	QR13	D1
IC5	12	P5	C1	SW1	G1
IC11	H4	Q2	B4		
IC13	H1	QR1	H1		
IC26	E2	QR2	H1		
IC27	E2	QR3	D1		
IC40	E2	QR4	D1		
IC41	E2	QR5	D1		
IC42	E2	QR6	D1		
IC51	A4	QR7	D1		
IC52	B4	QR8	D1		
IC53	A4	QR9	D1		
P1	G5	QR10	D1		
P2	C5	QR11	D1		

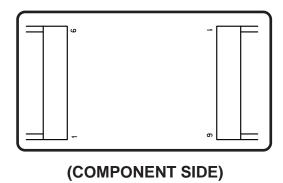


(FOIL SIDE)

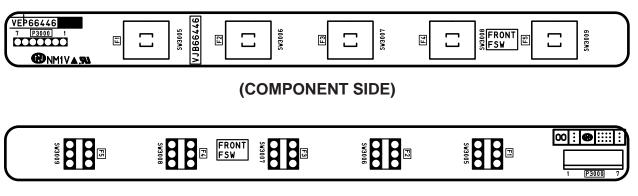
FRONT SW P.C.BOARD (VEP66445A)



POWER CONNECTION P.C.BOARD (VEP80C05A)

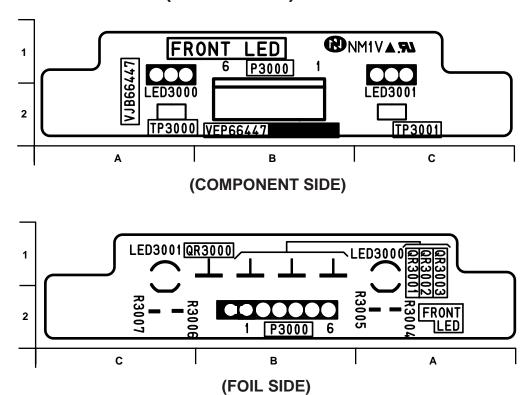


FUNCTION SW P.C.BOARD (VEP66446A)

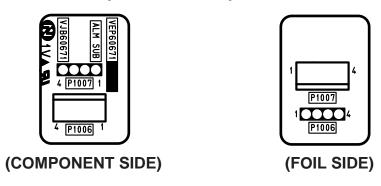


(FOIL SIDE)

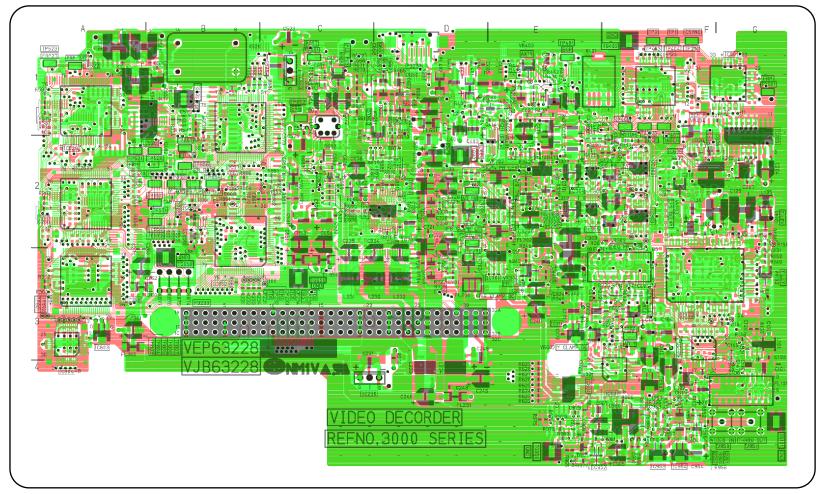
FRONT LED P.C.BOARD (VEP66447A)

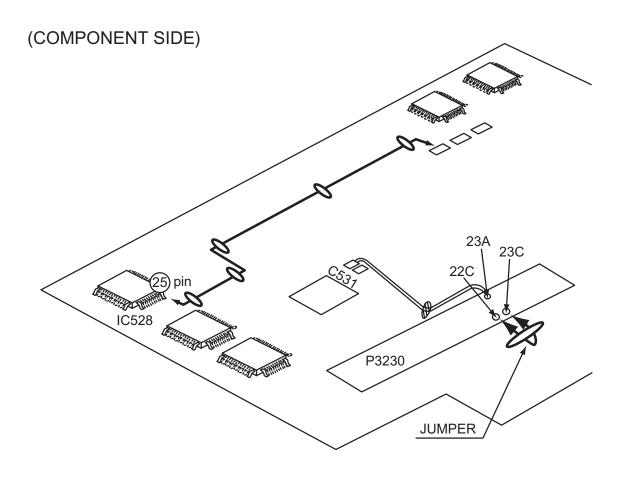


ALARM SUB P.C.BOARD (VEP60671A)

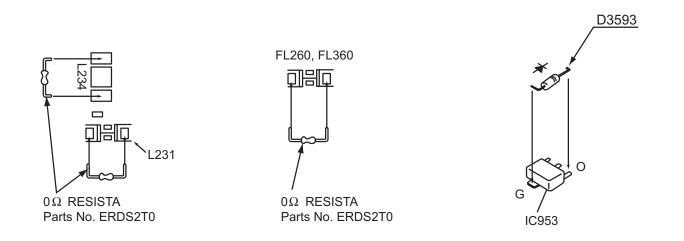


REF	LOC	REF	LOC	REF	LOC	REF	LOC
IC3852	B2	Q3953	G4	TP3520	B2	TP3857	B2
IC3856	B2	TG3101	G4	TP3521	A2	VR3102	G3
IC3857	B2	TG3301	D2	TP3522	A1	VR3301	F2
IC3952	F4	TG3402	F1	TP3523	A1	VR3302	F2
IC3953	F4	TG3524	B1	TP3601	F3	VR3303	E2
IC3954	G4	TG3650	C3	TP3651	C1	VR3304	E3
P3233	D1	TG3858	B3	TP3652	C1	VR3401	E2
Q3307	E2	TG3950	E4	TP3701	D2	VR3402	E1
Q3308	E3	TP3201	G1	TP3702	D2	VR3403	E1
Q3401	E1	TP3401	F1	TP3850	B2	VR3404	G1
Q3650	D1	TP3403	F1	TP3851	B2	VR3602	F3
Q3651	D1	TP3404	F1	TP3852	B2	VR3651	D1
Q3652	D1	TP3405	F1	TP3853	B2	VR3703	D3
Q3653	D1	TP3406	F1	TP3854	B2	VR3704	D2
Q3951	G4	TP3407	F1	TP3855	B2		
Q3952	G4	TP3501	G1	TP3856	B2		

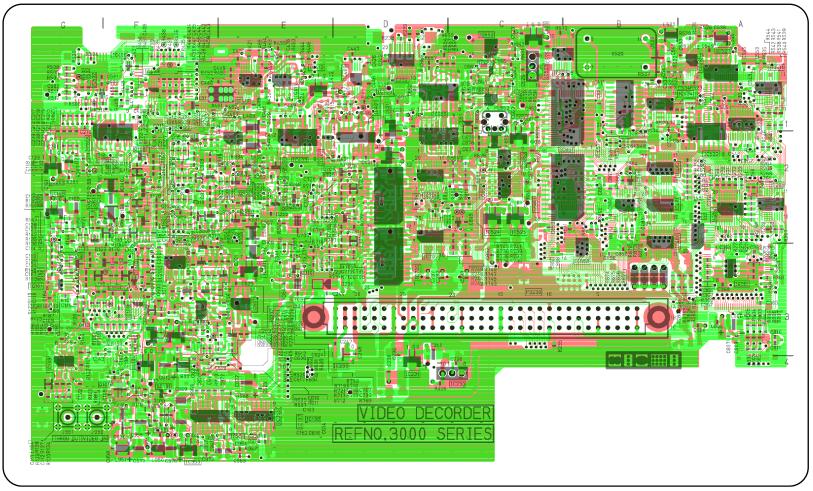


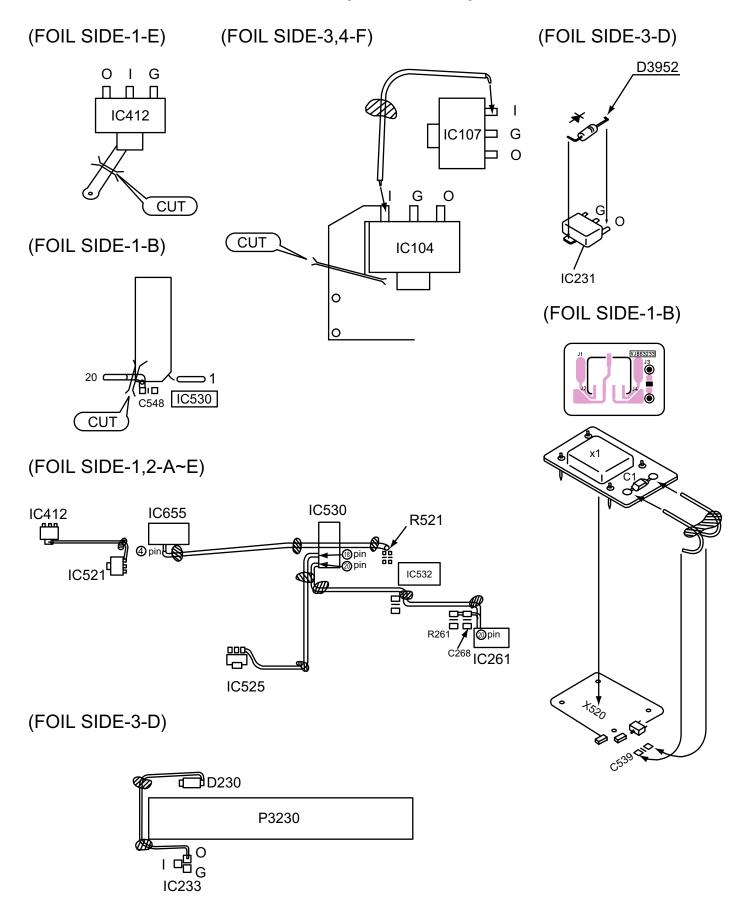


(COMPONENT SIDE-3,4-D) (COMPONENT SIDE-3-A) (COMPONENT SIDE-4-F)

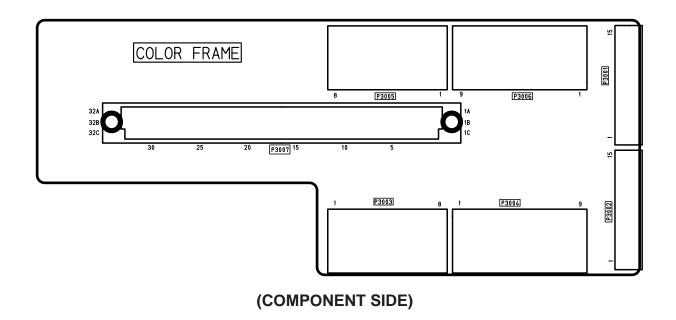


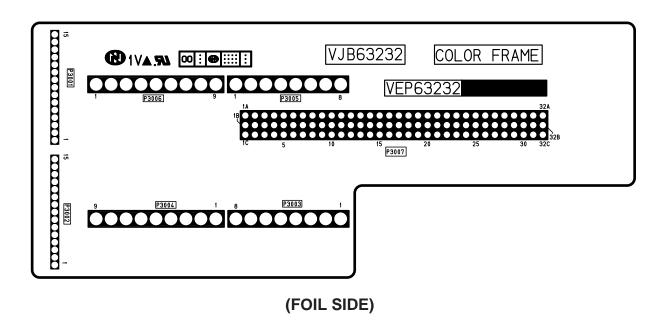
REF	LOC	REF	LOC								
IC3101	G3	IC3301	E3	IC3521	D1	IC3653	C1	IC3950	F4	Q3302	F2
IC3103	G4	IC3401	D2	IC3522	C2	IC3654	C1	IC3951	F4	Q3309	E2
IC3104	F4	IC3402	E2	IC3524	C2	IC3655	D1	IC3955	E4	Q3310	E3
IC3106	G2	IC3403	E2	IC3527	A1	IC3656	C2	J3950	G4	Q3402	F2
IC3107	F3	IC3406	F1	IC3529	A1	IC3657	D2	J3951	G4	Q3601	F3
IC3108	F3	IC3407	E2	IC3530	B1	IC3705	D3	P3230	B3	Q3602	E3
IC3109	F3	IC3408	F1	IC3531	A1	IC3706	D2	Q3101	F4	Q3701	D2
IC3110	F3	IC3409	D1	IC3532	A2	IC3707	D2	Q3102	G2	Q3702	D2
IC3201	G2	IC3410	E1	IC3533	A1	IC3708	D2	Q3103	G3	Q3950	F4
IC3202	F3	IC3411	E1	IC3534	B1	IC3709	D2	Q3104	F2		
IC3231	D4	IC3412	E1	IC3570	C1	IC3801	C2	Q3105	F3		
IC3232	D1	IC3480	B2	IC3601	F3	IC3851	B1	Q3201	F3		
IC3233	D3	IC3481	B2	IC3605	F2	IC3853	B3	Q3202	F3		
IC3261	A2	IC3482	B2	IC3607	E3	IC3854	B2	Q3203	E3		
IC3262	A2	IC3502	G1	IC3650	C2	IC3855	B2	Q3204	F3		
IC3263	A2	IC3520	C1	IC3652	C1	IC3858	B2	Q3301	F2		





COLOR FRAME INT P.C.BOARD (VEP63232A)





SECTION 8

EXPLODED VIEWS REPLACEMENT PARTS LISTS

Note:

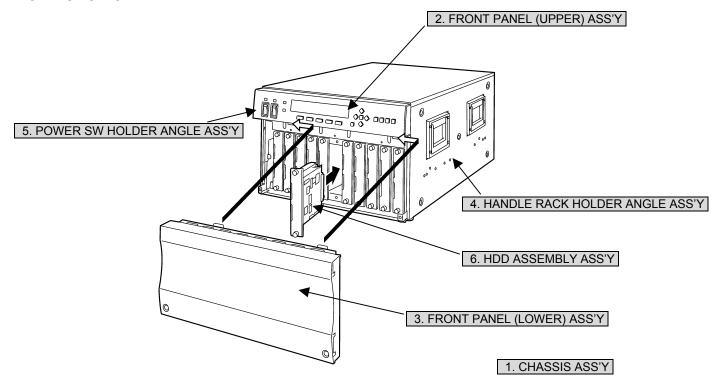
- 1. *Be sure to make your orders of replacement parts according to this list.
- 2. Unless otherwise specified, all resistors are in OHMS, K=1,000 OHMS, all capacitors are in MICROFARADS (μ F), P= $\mu\mu$ F.
- 3. The P.C. Board untils marked with "■" shown below the main assembled parts.
- 4. The parts marked with Eon the exploded view show the electric parts.
- IMPORTANT SAFETY NOTICE
 Components identified with the mark
 \(\Delta \) have the special characteristics for safety. When replacing any of these components, use only the same type.
- 6. The marking (RTL) indicates the retention time is limited for this item.

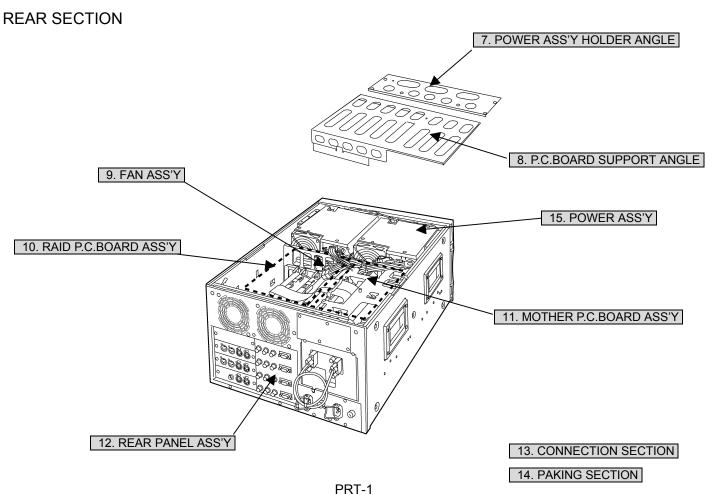
 After the diacontinuation of this assembly in production, it will no longer be available.

CONTENTS

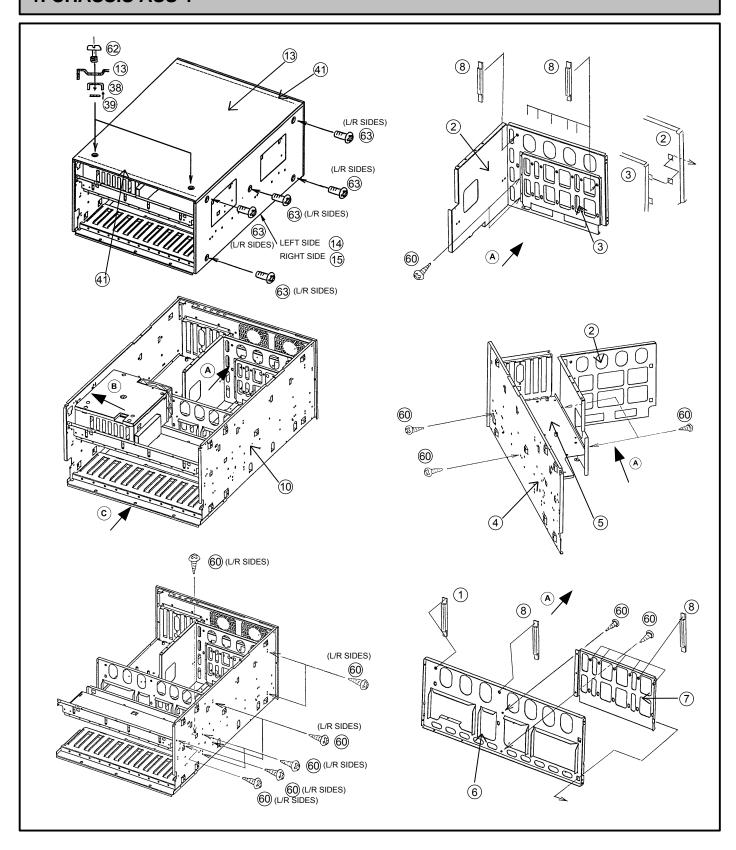
FRONT SECTION	PRT-1
REAR SECTION	PRT-1
1. CHASSIS ASS'Y	PRT-2
2. FRONT PANEL (UPPER) ASS'Y	PRT-6
3. FRONT PANEL (LOWER) ASS'Y	PRT-7
4. HANDLE RACK HOLDER ANGLE ASS'Y	PRA-8
5. POWER SW HOLDER ANGLE ASS'Y	PRT-8
6. HDD ASSEMBLY ASS'Y	PRT-9
7. POWER ASS'Y HOLDER ANGLE	PRT-10
8. P.C.BOARD SUPPORT ANGLE	PRT-10
9. FAN ASS'Y	PRT-10
10. RAID P.C.BOARD ASS'Y	PRT-11
11. MOTHER P.C.BOARD ASS'Y	
12. REAR PANEL ASS'Y	
13. CONNECTION SECTION	
14. PACKING SECTION	PRT-15
15. POWER ASS'Y	PRT-16
• ELECTRICAL REPLACEMENT PARTS LIST	PRT-19

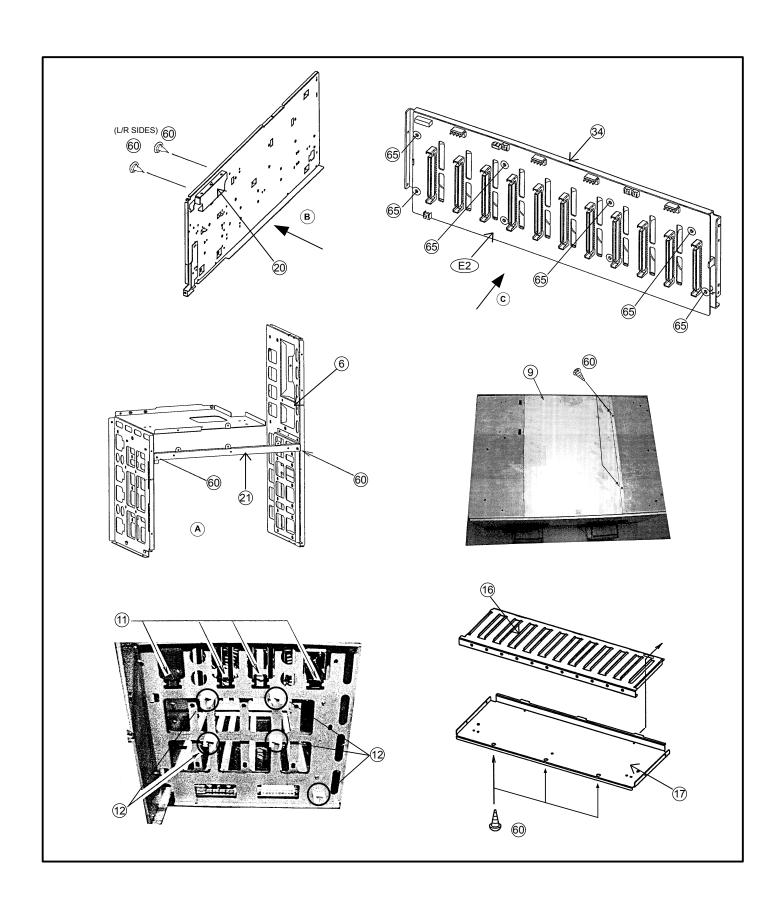
FRONT SECTION

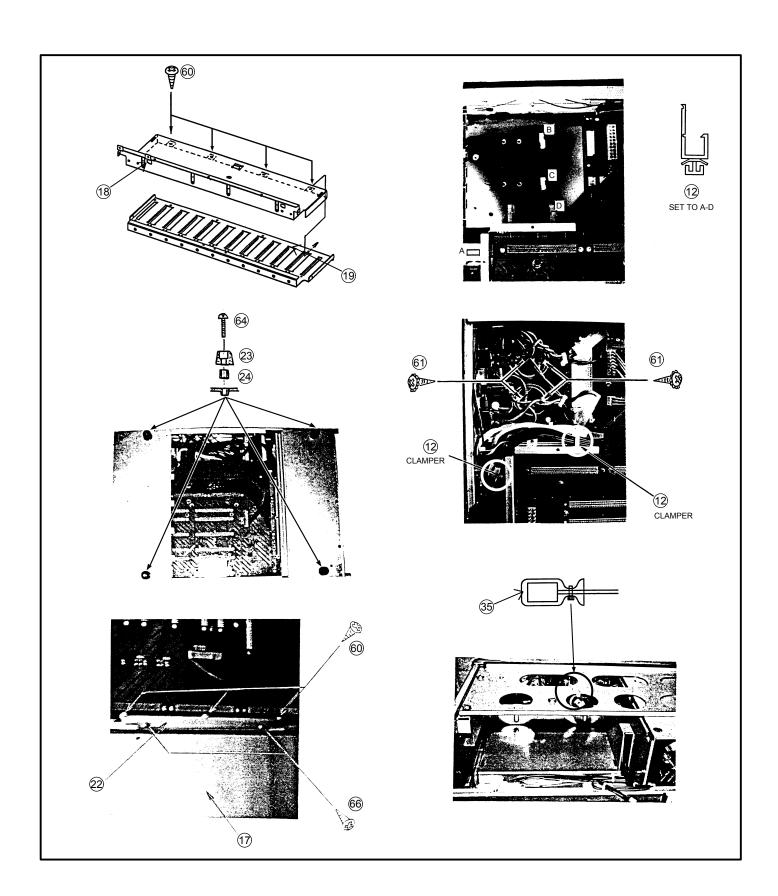


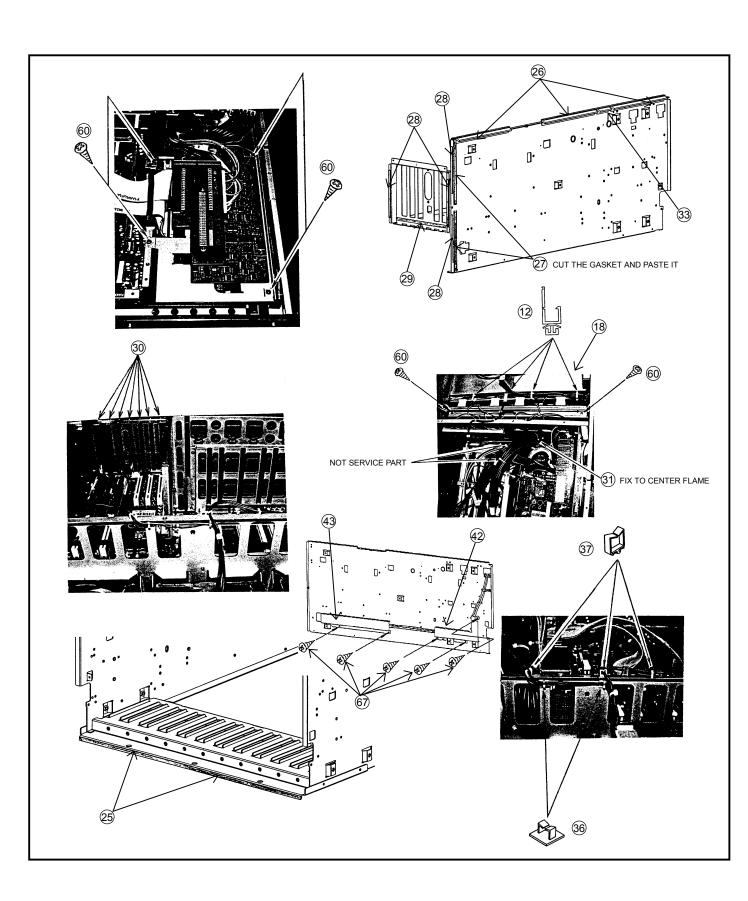


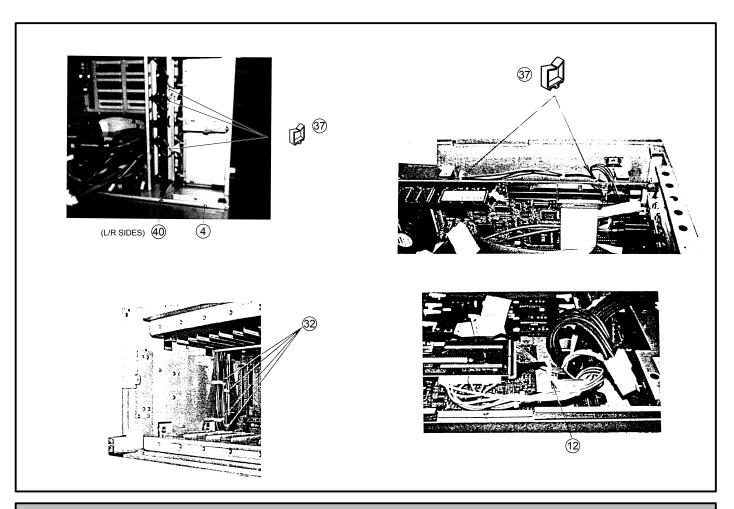
1. CHASSIS ASS'Y



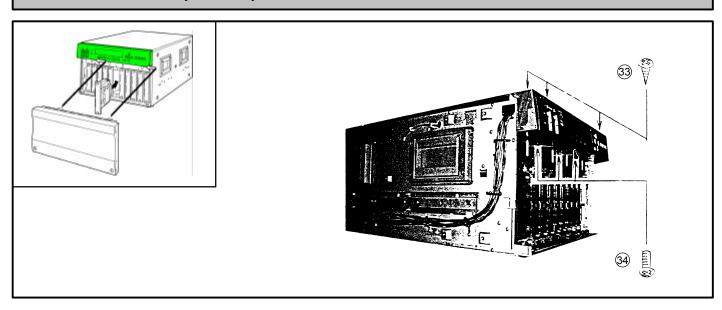


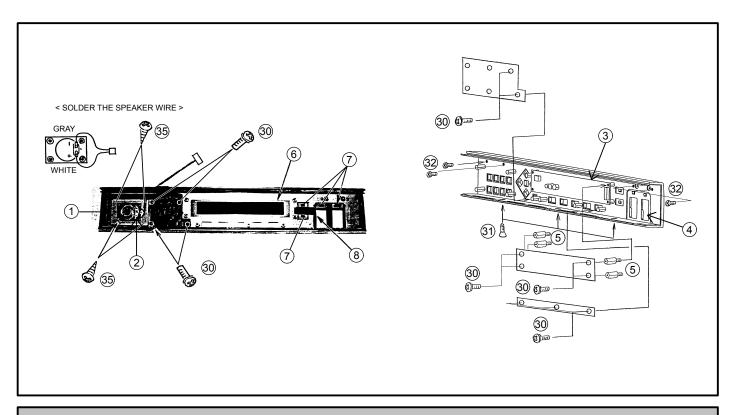




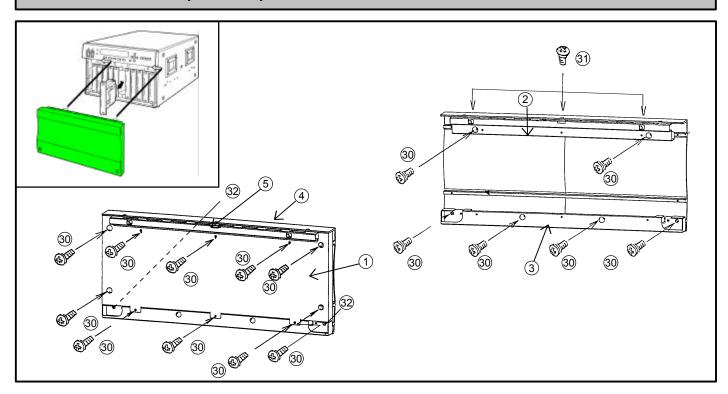


2. FRONT PANEL (UPPER) ASS'Y

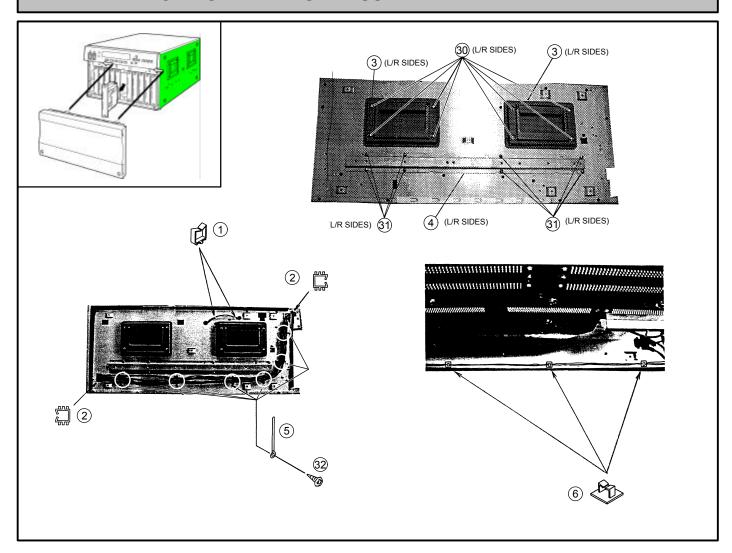




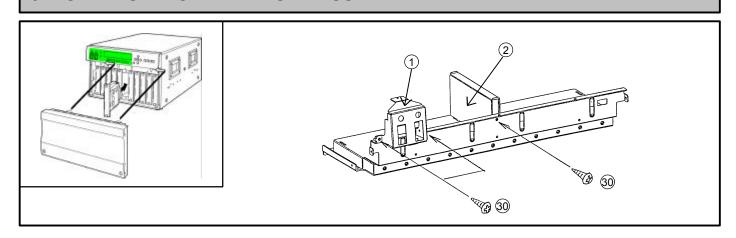
3. FRONT PANEL (LOWER) ASS'Y

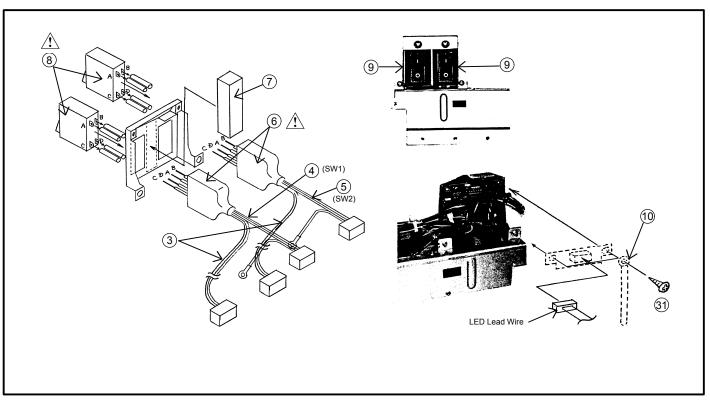


4. HANDLE RACK HOLDER ANGLE ASS'Y

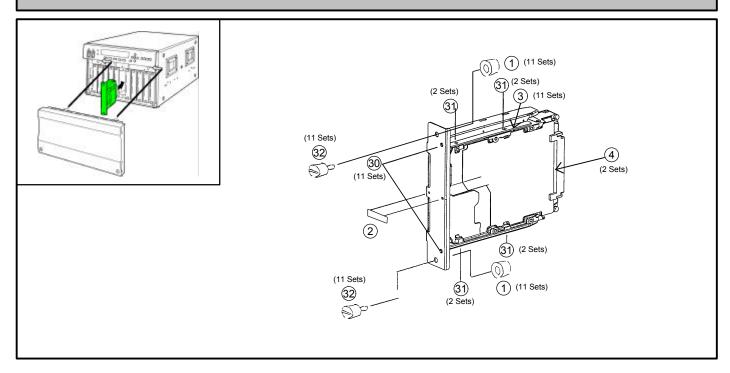


5. POWER SW HOLDER ANGLE ASS'Y

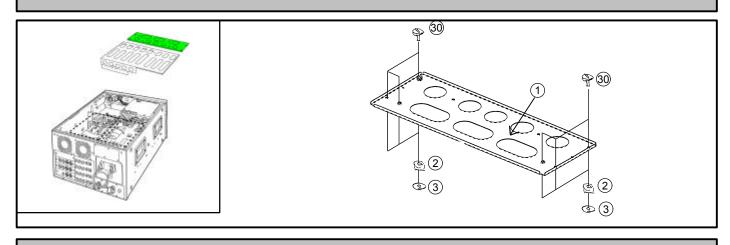




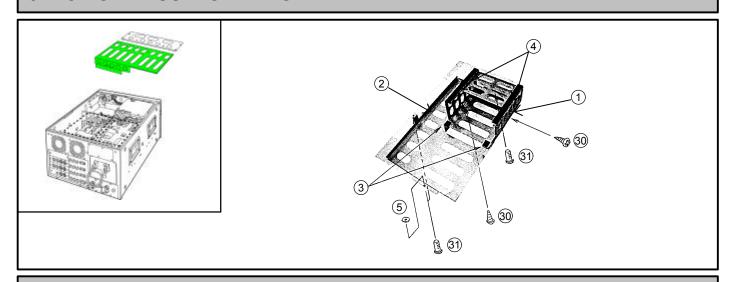
6. HDD ASSEMBLY ASS'Y



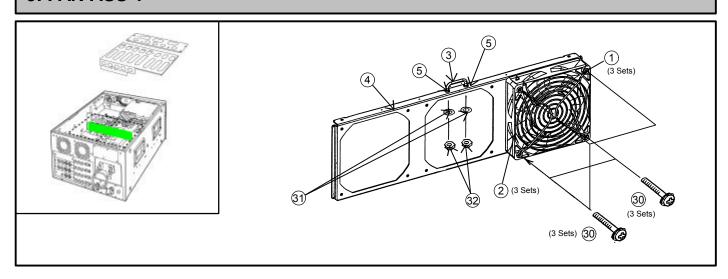
7. POWER ASS'Y HOLDER ANGLE



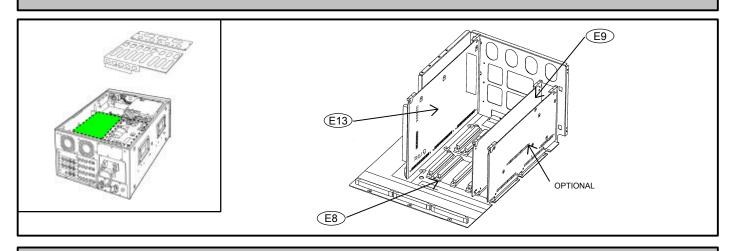
8. P.C.BOARD SUPPORT ANGLE



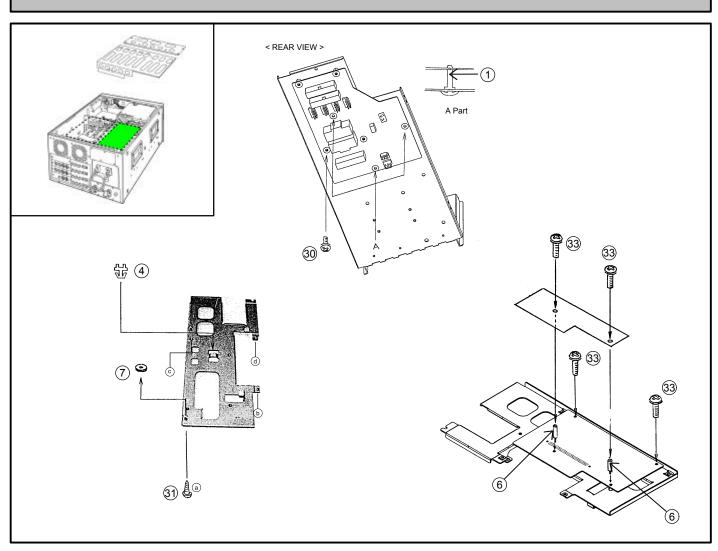
9. FAN ASS'Y

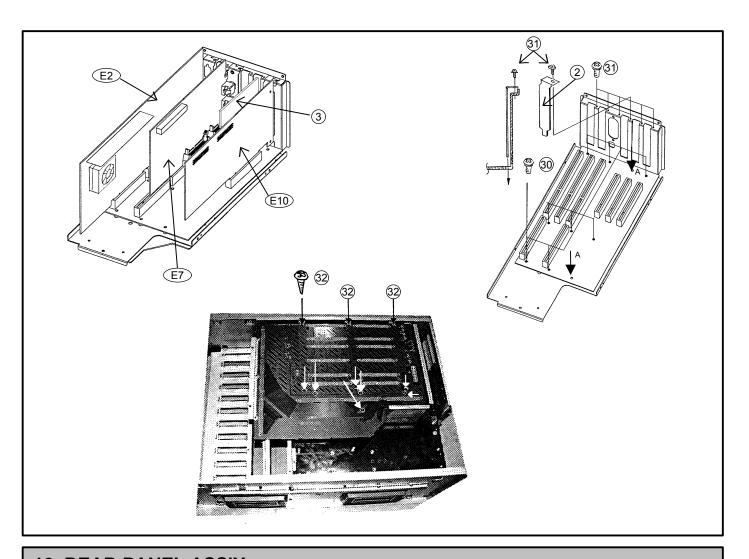


10. RAID P.C.BOARD ASS'Y

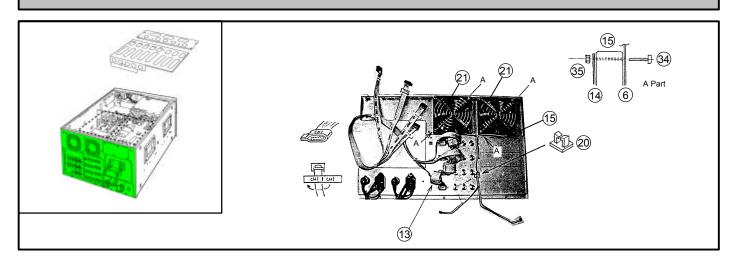


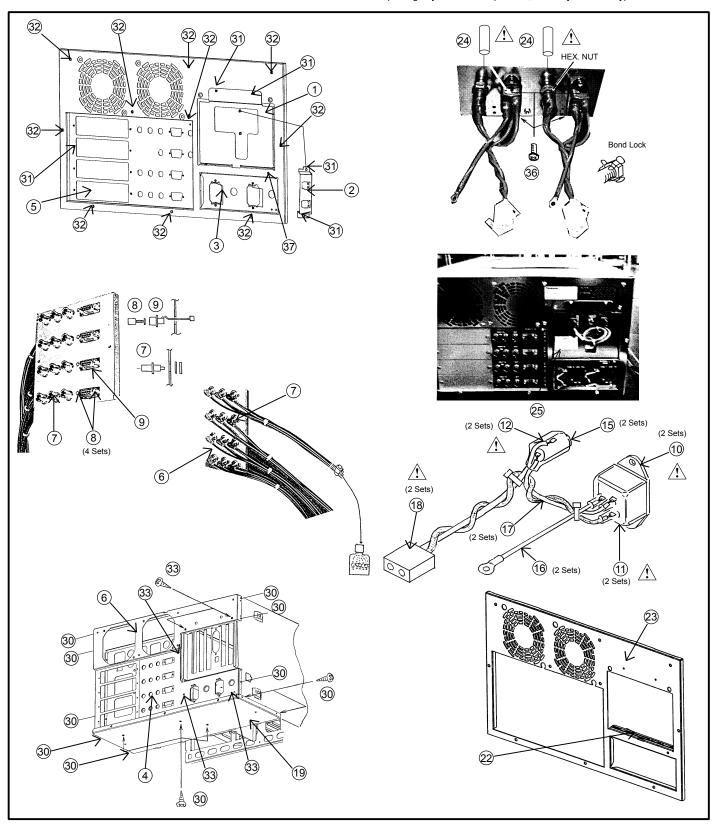
11. MOTHER P.C.BOARD ASS'Y



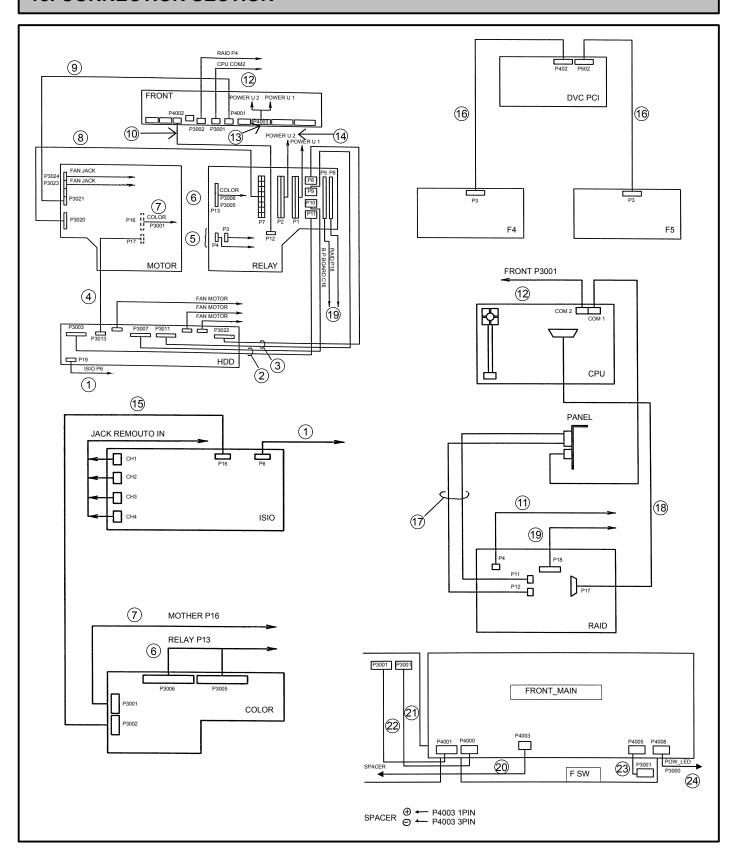


12. REAR PANEL ASS'Y

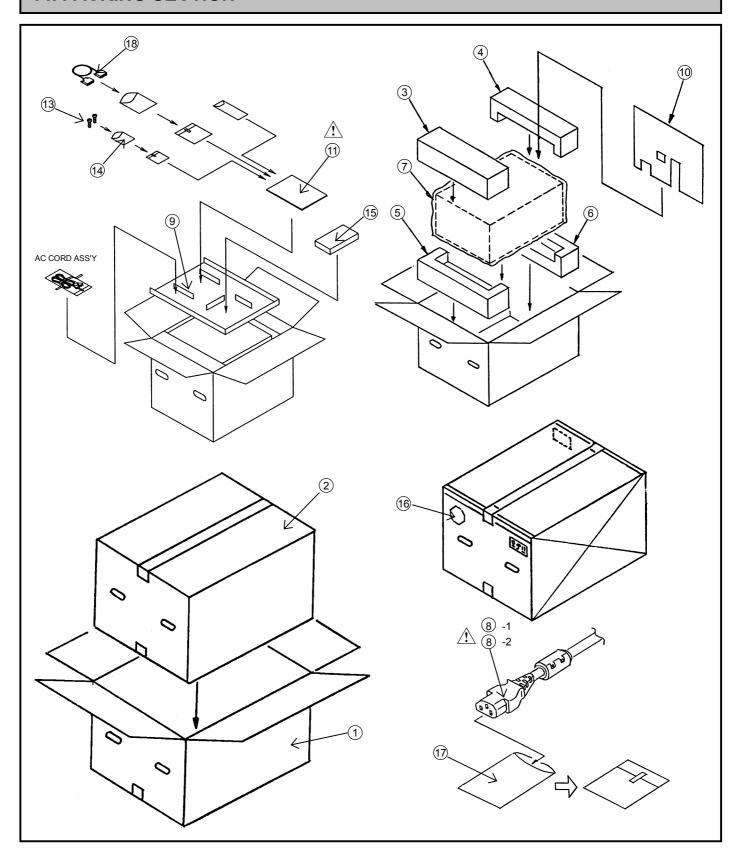




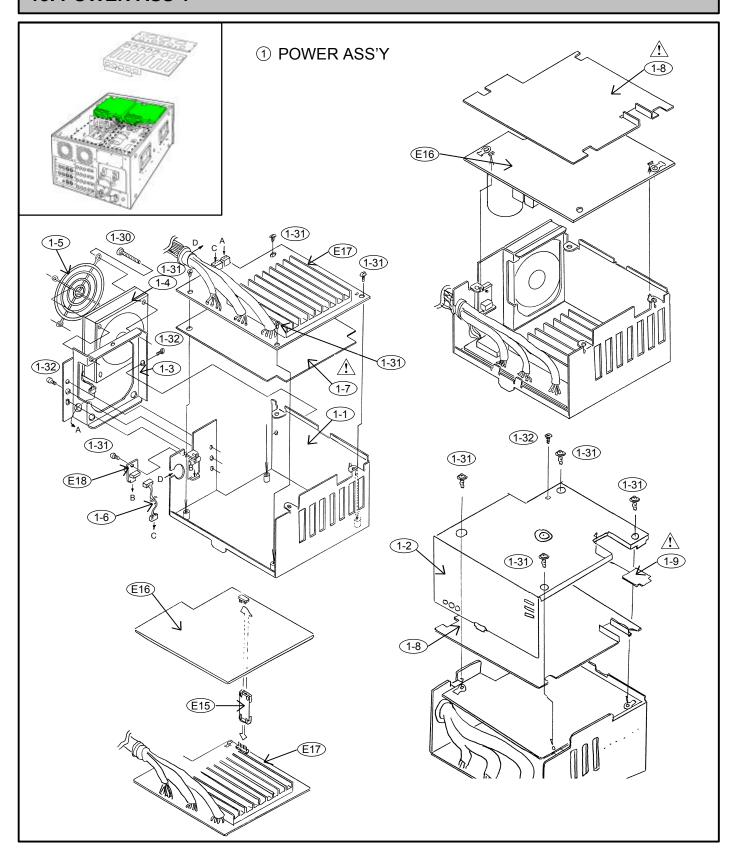
13. CONNECTION SECTION



14. PACKING SECTION



15. POWER ASS'Y



						·····	g any or these components, use		,yp
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	(1.CHASSIS SS')						•		
1	VGQ1016	GUIDE RAIL	1		30	XYN3+K6	SCREW	16	
2	VMP6588	BACK FLAME	1		31	XSS3+6FZ	SCREW	3	
3	VMP6590	OP P.C.BOARD FLAME B	1		32	VHD0662	FRONT PANEL SCREW	2	
4	VMP6578	SIDE FLAME L	1		- 52	V11D0002	THOM THE CONEW		
			1			(4 HANDI E BAC	K HOLDER ANGLE AS'Y)		
5	VMP6581	CPU BOARD FLAME				-	·	_	
6	VMP6580	CENTER FLAME	1		1	VJF0816	CORD CLAMPER	2	
7	VMP6589	OP P.C.BOARD FLAME A	1		2	VJF0546	EDGE SADDE	2	
8	VJF1052	RAIL	14		3	VYH0126	HANDLE	4	
9	VKU0574	BOTTOM CVER	1		4	VMP3957	RACK HOLDER ANGLE	2	
10	VMP6579	SIDE PLAME R	1		5	VJR3	WIRE CLAMPER	6	
11	VJF0546	EDGE SADDLE	4		6	VJF1314	MINI SADDLE	3	
12	VJF1324	M CLAMP	16						
13	VGM1753	TOP COVER	1		20	VCD4.16ECC	SCREW	16	
					30	XSB4+16FCS		_	
14	VGM1754	SIDE COVER L	1		31	XYN4+C6S	SCREW	16	
15	VGM1755	SIDE COVER R	1		32	XTV3+6F	SCREW	6	
16	VMP6583	HDD FLAME (LOWER)	1						
17	VMP6584	FRONT BOTTOM FLAME	1			(5.POWERSW H	OLDER ANGLE ASS'Y)		
18	VMP6592	POWER FLAME	1		1	VMP6607	POWER SW HOLDER ANGLE	1	
19	VMP6582	HDD FLAME (UPPER)	1		2	VMP6608	CABLE COVER	1	
20	VMP6601	POWER SUPPORT HOLD PLATE	1		3	VEE0L89	AC CABLE	2	
			- 1					-	
21	VMP6593	SDTI P.C.B. HOLDER ANGLE	1		4	VEE0M53	POWER SW 1 CABLE	⊢ 1	
22	VMP6594	SDTI P.C.BOARD FLAME	1		5	VEE0M61	POWER SW 2 CABLE	1	
23	VKA0336	FOOT	4		6	VMZ2665	SW COVER	2	
24	VMX2282	FOOT SPACER	4		<u> </u>	VMT1043	CUSHION	_ 1	
25	VMT0939	GASKET	2		8	VSW0151	POWER SW	2	K0AACE000011
26	VMT1018	GASKET	3		<u>^</u> 9	VMT1189	SW SHEET	2	
27	VMT0880	GASKET (F)	2		10	VJR3	WIRE CLAMPER	1	
			4		10	-3110	THE OBJANIEN	-	
28	VMT0905	GASKET	_		20	VTV2 : 25	CODEM	-	
29	VMT0904	GASKET	1		30	XTV3+6F	SCREW	3	
30	VMT0953	GASKET	7		31	XTV3+6FFR	SCREW	2	
31	VJF1348	CLAMPER	1						
32	VJF0384	CLAMPER	4			(6.HDD ASSEMB	LY ASS'Y)		
33	VMT0779	GASKET	1		1	VMX1789	SPACER	22	
34	VMP6743	HDD P.C.BOARD FLAME	1		2	VQL0G72	HDD NO. LABEL	1	
35	VMZ2670	VCP CAP	1		3	VMP6598	HDD GUIDE ANGLE	11	
36	VJF1314	MINI SADDLE	2		4	VSI3423	HDD (OS)	2	
					4	V 513423	HDD (OS)		
37	VJF0816	CORD CLAMPER	8						
38	VMX2510	SPACER	2		30	XTB3+6FFC	SCREW	22	
39	VMX2582	WASHER	2		31	XSN6-32+48	SCREW	8	
40	VGQ1924	GUIDE RAIL	2		32	VHD1010	SCREW	22	
41	VMT1102	GASKET	2						
42	VMZ3153	LEAD CABLE COVER A	1			(7.POWER ASS")	(HOLDER ANGLE)		
43	VMZ3161	LEAD CABLE COVER B	1		1	VMP6600	POWER SUPPORT ANGLE	1	
.0	*****	EER BONDEE BOVER B			2	VMX2510	SPACER	6	
00	VT 10 - 0E	CODEM						_	
60	XTV3+6F	SCREW	50		3	VMX2582	WASHER	6	
61	XYE4+EF6	SCREW	4						
62	VHD0274	SCREW	2		30	VHD0274	SCREW	6	
63	XSB4+6FCS	SCREW	10						
64	XSN4+15FXS	SCREW	4			(8.P.C.BOARD S	UPPORT ANGLE)		
65	XYN3+K8FR	SCREW	6		1	VMP6602	OP P.C.B. SUPPORT ANGLE	1	
66	XTV3+6FFR	SCREW	2		2	VMP6603	HD P.C.B. SUPPORT ANGLE	1	
67	XTV3+6F	SCREW	5	 	3	VMT1190	P.C.BOARD SUPPORT RUBBER	2	
- 01	7.1 VOTO	SO.NEW	υ					2	
 	(a == a) := = :				4	VMT0927	P.C.BOARD SUPPORT RUBBER		
	l'	L (UPPER)ASS'Y)			5	VMX1558	NYLON WASHER	3	
1	VMP6605	SPEAKER HOLDER ANGLE	1						
2	EAS4D01H	SPEAKER	_ 1		30	XTV3+6F	SCREW	2	
3	VGM1795	FRONT PANEL (UPPER)	1		31	XSB3+6	SCREW	7	
4	VMP6841	FRONT PANEL ANGLE (UPPER)	1					l	
5	VMS1680	P.C.BOARD SPACER	4			(9.FAN ASS'Y)		t	
6		DISPLAY LED	4	<u> </u>	1	ļ	FAN GUARD	_	
	VKW2855		1		1	VGF0387		- 3	L CEADELILIOCCA
7	VGL0920	PANEL LIGHT	4		2	VRF0212	FAN MOTOR (CENTER)	3	L6FAPEHH0001
8	VMT1043	CUSHION	2		3	VMP3002	BAND STRAP ANGLE	1	
					4	VMP6591	FAN PLATE	1	
30	XYN3+K8FR	SCREW	13	<u> </u>	5	VMX1968	WASHER	_ 2	<u> </u>
31	XSS3+6FZ	SCREW	3						
32	XYN26+K5	SCREW	4		30	XYNV4+K35FCS	SCREW	12	
33	XTV3+6F	SCREW	3		31	XWA3B	WASHER	2	
34	XSB3+6FCWS	SCREW	3		32	XNG3BS	NUT	2	
					32	VIACOBO	1101	2	
35	XYN26+K8	SCREW	4					-	
						(11.MOTHER P.C	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	(3.FRONT PANE	L(LOWER)ASS'Y)			1	VGQ4661	P.C.BOARD SPACER	5	
1	VMP6587	NET ANGLE	1		2	VMP5527	EXTENSION BUS	1	-
2	VMP6577	FRONT PANEL ANGLE (A) (DOWE	1		3	N5EZA0000001	FC HOST ADAPTOR	1	
3	VMP6599	FRONT PANEL ANGLE (B) (DOWE	1		4	VGQ4779	P.C.BOARD SUPPORTER	4	
4	VYP8196	FRONT PANEL ANGLE (B) (DOWL	- 1		<u> </u>		co. , c.creic	H	
			- !		 	-		-	
5	VMT0939	GASKET	1			1			

		T	1			· ·	I	т-	
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pc	s Remarks
5	VMP6604	PC CARD SUPPORT ANGLE	1		4	VPN4051	TOP CUSHION (R)	1	1
6	VMS6769170	P.C.BOARD SPACER	2		5	VPN3754	BOTTOM CUSHION (F)	1	1
7	VMX1558	NYLON WASHER	4		6	VPN4052	BOTTOM CUSHION (R)	1	1
			İ		7	VPF0674	POLYETHYLENE BAG	1	1
30	XYN3+K8FR	SCREW	12		/ <u>↑</u> 8-1	VJA0774	POWER CODE	1	1 FOR U.K.
31	XYN3+K6	SCREW	6		<u> </u>	VJA0775	POWER CODE	1	1
32	XTV3+6FFR	SCREW	10		9	VXY1610	RACK MOUNT ASS'Y	T .	1
33	XYN3+K8FR	SCREW	10		10	VPG0H95	PAD	'	
33	ATINOTROFIC	SCREW	4					H	
	1		-		<u>A</u> 11	VQT9254	OPERATING INSTRUCTIONS	1	1
	(12.REAR PANEI		ļ		13	XSN6-32+48	SCREW	36	
1		CPU BLIND COVER	1		14	VPF1016	POLYETHYLENE BAG	1	
2	VMC1559	BNC EARTH PLATE	1		15	VPG0H94	ACCESSORY BOX	1	1
3	VML2903	AC CORD HOOK	2		16	VSE0219	SHOCK WATCH (LARGE)	1	J
4	VGH4465	JACK NAME PLATE	1		17	VPF0366	AC CODE BAG	1	1
5	VGH4307	XLR NAME PLATE	4		18	VEE0L98	FC CABLE (OUT)	1	1
6	VMP6586	JACK FLAME	1						
7	VJS3462	CONNECTOR (FEMALE)	12	K1SMBDBA0002		(15.POWER ASS	SY)	t	
8	VXQ0102	SCREW	8	K1YE50000008	1	VEK9207	POWER ASS'Y	1	1
9	VEE0E31	422 CABLE	4		1-1	VMP6700	POWER ANGLE	1	1
<u></u> 10	VJP0083	AC INLET	2		1-2	VMP6701	POWER COVER	1	1
<u>∆</u> 10	VMZ1252	AC INLET COVER	2		1-3	VMP6701	FAN ANGLE	-	
			_					H	
△ 12	VMZ2139	FUSE HOLDER COVER	2		1-4	VRF0223	DC FAN MOTOR	1	4
13	VLP0141	FERRITE CORE	4		1-5	VGF0388	FAN GUARD	1	
14	VGF0388	FAN MOTOR GUARD	2		1-6	VEE0M87	ERROR CABLE	1	1
15	VJF1005	FUSE HOLDER	2	K3GA1BJ00013	<u>^</u> 1-7	VMZ3116	INSULATION SHEET A	1	1
16	VEE0N29	FLAME GND CABLE	2		<u></u> 1-8	VMZ3117	INSULATION SHEET B	1	1
17	VEUH7T130CC	AC WIRE	2		<u></u> 1-9	VMZ3122	INSULATION SHEET C	1]
∆ 18	VEE0B94	AC I/F CABLE B	2		1-30	XYNV4+K35FCS	SCREW	4	1
19	VMP6585	REAR BOTTOM FLAME	1		1-31	XYN3+K8FR	SCREW	9)
20	VJF1314	MINI SADDLE	1		1-32	XYN3+K6	SCREW	3	3
21	VRF0223	FAN MOTOR (REAR)	2		1-32	XYN3+K6	SCREW	3	3
22	VMT0904	GASKET	1					†	
23	VGH4492	JACK PLATE	1						-
<u> </u>	XBA1C100NB5	FUSE	2	K5D103AQ0001					1
25	VSE0220	SHOCK WATCH	1	105/105/105/105/1					
			l		-			-	
30	XTV3+6F	SCREW	15					<u> </u>	
31		SCREW	12						
32	XSB4+6FCS	SCREW	10						
33	XTB3+6FFC	SCREW	5						
34	XYNV4+K35FCS	SCREW	4						
35	XNG4C	NUT	4						
36	XYN3+F8FZ	SCREW	4						
37	XYE4+EF8	SCREW	1						
									-
	(13.CONNECTIO	N SECTION)	 					+-	
1	VEE0N51	TEMP. SENSOR CABLE	1						+
2	VEE0N31 VEE0L92	HDD POWER CABL 1	2					+	
	ļ		2					-	
3	VEE0L91	HDD POWER CABL 2	2					-	_
4	VEE0L90	FAN ALARM	1		—	1		1	+
5	VEE0M63	POWER INT CABLE 4 (VH)	2			 		1	
6	VEE0N34	CF POWER CABLE	1					1	
7	VEE0G50	ISIO, CF WIRE	1					1	
8	VEE0L94	SDTI POWER CABLE	1						
9	VEE0M54	COOLING FAN ALARM CABLE	1					1	
10	VEE0M59	FRONT POWER CABLE	1			1			
11	VEE0L95	RAID HOST CABLE	1					İ	
12	VEE0L99	RS232C CABLE	1					t	
13	VEE0M60	POWER ALARM CABLE	1			1		1	†
14	VEE0M62	POWER INT CABLE 3 (VL)	2					+	+
15	VEE0IVI62 VEE0E32	SDTI/ISIO CABLE	1			1		+	+
16	VEE0E32 VEE0E29	SDT//ISIO CABLE SDTI CABLE	2			1		+-	+
			1		<u> </u>	1		╁	-
17	VEE0L96	FC CABLE (IN)	<u> </u>		-	1		1	+
18	VEE0E36	SCSI CABLE	-	K1PA68A00002	—	1		1	+
19	VEE0L93	RAID POWER CABL	2			 		1	
20	VEE0E38	SPEAKER CABLE	1					1	
21	VEE0M55	FRONT SW 1 WIRE	1						
22	VEE0M56	FRONT SW 2 WIRE	1					\mathbf{L}	
23	VEE0M57	FSW WIRE	1						
24	VEE0M58	LED WIRE	1					Ī	
			Ì					Ì	
	(14.PACKING SE	CTION)	t					t	
1	VPG0G46	PACKING CASE (OUT)	1					†	+
2	VPG0G47	PACKING CASE (IN)	1					+	+
3	VPG0G47 VPN3095	TOP CUSHION (F)	1			1		+	+
F -	.1140030	. 5. 555 HOW (I)	⊢'		1	1		1	+
—	 		1			1		1	+
<u></u>	<u> </u>		1		<u> </u>	<u> </u>	I	<u> </u>	1

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.
I E1	VEP60666A	SDTI/RAID MOTHER P.C.B.	1	(RTL)		VMP6596 VMP6597
						XYE3+EF8F2
E2	VEP60645A	HDD/MOTHER P.C.BOARD	1	(RTL)		
E3	VEP66445A	FRONT SW P.C.BOARD	1	(RTL)		
■ E4	VEP66443A	FRONT PANEL P.C.BOARD	1	(RTL)		
E5	VEP66446A	FRONT F SW P.C.BOARD	1	(RTL)	■ E2	VEP60645A
I E6	VEP66447A	FRONT LED P.C.BOARD	1	(RTL)	C3022	EEVHB1C47
					C3023	EEVHB0J470
■ E7	VEP66413A	ISIO P.C.BOARD	_	(RTL)	C3045	EEVHB1C47
-	VEP63231A	ISIO LPF P.C.BOARD	-	(RTL)FOR VEP66413A	C3046	EEVHB0J470
	VEP60555A	REF P.C.BOARD	1	(RTL)FOR VEP66413A	C3068 C3069	EEVHB1C47
■ E8	VEP66414A	CSDI I/F 1 P.C.BOARD	1	(RTL)	C3070	ECUX1E104
					C3071	ECEA1CKA1
■ E9	VEP66414B	CSDI I/F 2 P.C.BOARD	1	(RTL)	C3072	ECUX1H102
					C3073	ECEA1CKA1
■ E10	VEP83457A	DVC PCI P.C.BOARD	1	(RTL)	C3088	EEVHB1C47
■ E11	VEP63228B	ANALOG DECODER P.C.BOARD	1	(RTL)	C3089 C3101-06	EEVHB0J470
- - · · ·	VEP63233A	VCXO P.C.BOARD	-	(RTL)FOR VEP63228B	C3108	ECEA1CKA1
				(***-)** *** **-	C3109,10	EEUFC1E47
■ E12	VEP63232A	COLOR FRAME P.C.BOARD	1	(RTL)	100000	4 D00405 4 D
■ E13	VEP66437A	RAID P.C.BOARD	1	(RTL)	IC3028	AD22105AR
					L3001-06	VLP0133
E14	VEP61284B	POWER P.C.BOARD	1	(RTL)	L3008,09	VLP0133
■ E15	VEP80C05A	POWER CONNECT P.C.BOARD	1	(RTL)	P3001,02	VJS4176
E 13	VEFOUCUSA	FOWER CONNECT F.C.BOARD	F'	(KTL)	P3001,02	VJP3341
E16	VEP61286A	AC MODULE P.C.BOARD	1	(RTL)	P3004-06	VJS4176
					P3007	VJP3341
E17	VEP61287A	DC MODULE P.C.BOARD	1	(RTL)	P3008-10	VJS4176
					P3011	VJP3341
■ E18	VEP60671A	ALARM P.C.BOARD	1	(RTL)	P3012 P3013	VJS4176
					P3013	VJP1231T VJP1243T
					P3019	VJP1230T
					P3020	VJP2741A01
					P3021	VJS4176
					P3022	VJP3341
					P3023 P3024-26	VJS4176 VJP4301B14
					R3001	ERJ3GEY0R
■ E1	VEP60666A	SDTI/RAID MOTHER P.C.B.	1	(RTL)	R3003	ERJ3GEY0R
					R3005 R3007	ERJ3GEY0R ERJ3GEY0R
C3000,01	ECEA1CKS101	E.CAPACITOR 16V 100U	2		R3009	ERJ3GEY0R
C3002	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1		R3011	ERJ3GEY0R
C3003	ECEA1CKS101	E.CAPACITOR 16V 100U	1		R3013	ERJ3GEY0R
C3004	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1		R3015	ERJ3GEY0R
C3005-14	ECEA1CKS101	E.CAPACITOR 16V 100U	10		R3017	ERJ3GEY0R
D3000-07	ERA15-08	DIODE	8	B0AAMT000001	R3019 R3020	ERJ8GEYJ4 ERJ8GEYJ2
			Ť		R3022	ERJ3GEY0R
IC3000	AN7908F	IC	1		R3024	ERJ3GEY0R
IC3001	AN7905F	IC	1		R3026-36	ERJ8GEYJ4
IC3002-07	AN7808F	IC	6		R3037-80	ERJ3GEY0R
D4 40	V/100044	CONNECTOR (FEMALE)	40	KAK DOCA 00027	R3101-27	ERJ3GEYJ3
P1-12 P16	VJS3814 VJP1930T	CONNECTOR (FEMALE) CONNECTOR (MALE)	-	K1KB96A00037 K1KA15B00021	R3128-54 R3155-81	ERJ3GEYJ2: ERJ3GEYJ3:
P17	VJP1244T	CONNECTOR (MALE) 4P	1		R3182-08	ERJ3GEYJ2
P3000-05	VJS4301A148	CONNECTOR (FEMALE)	<u> </u>	K1KBA0A00070	R3209-35	ERJ3GEYJ3
P3020	VJP4150B020	CONNECTOR (MALE)	1		R3236-62	ERJ3GEYJ2
P3021	VJP1244T	CONNECTOR (MALE) 4P	1		R3263-89	ERJ3GEYJ33
P3022-24	VJP1243T	CONNECTOR (MALE) 3P	3		R3290-16	ERJ3GEYJ22
		MISCELLANICOLIS			R3317-43	ERJ3GEYJ33
		MISCELLANEOUS			R3344-70 R3371-97	ERJ3GEYJ2: ERJ3GEYJ3:
	l	1	1			+
	VMP6595	P.C.B. SUPPORT ANGLE A	1		R3398-24	ERJ3GEYJ22

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VMP6596	P.C.B. SUPPORT ANGLE B	1	
	VMP6597	P.C.B. SUPPORT ANGLE C	1	
	XYE3+EF8FZ	SCREW	8	
■ E2	VEP60645A	HDD/MOTHER P.C.BOARD	1	(RTL)
C3022	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3023	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3045	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3046	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3068	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3069	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3070	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3071	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C3072	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
C3073	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C3088	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3089	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3101-06	EEUFC1E471	E.CAPACITOR 25V 470U	6	
C3108	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C3109,10	EEUFC1E471	E.CAPACITOR 25V 470U	2	
55105,10			ť	
IC3028	AD22105AR	IC	1	C0ZBZ0000157
103020	ADZZ TODAK		+ '	002020000101
L3001-06	VLP0133	COIL	6	
	ł		1	
L3008,09	VLP0133	COIL	2	
P3001,02	VJS4176	CONNECTOR (FEMALE)	-	K1KB80A00046
		CONNECTOR (FEMALE)	+	K1KB00A00040
P3003	VJP3341	CONNECTOR (MALE)	1	1/41/P00400040
P3004-06	VJS4176	CONNECTOR (FEMALE)	3	K1KB80A00046
P3007	VJP3341	CONNECTOR (MALE)	1	
P3008-10	VJS4176	CONNECTOR (FEMALE)	+	K1KB80A00046
P3011	VJP3341	CONNECTOR (MALE)	1	
P3012	VJS4176	CONNECTOR (FEMALE)	+-	K1KB80A00046
P3013	VJP1231T	CONNECTOR (MALE) 4P	1	
P3014-16	VJP1243T	CONNECTOR (MALE) 3P	3	
P3019	VJP1230T	CONNECTOR (MALE) 3P	1	
P3020	VJP2741A014	CONNECTOR (MALE)	1	K1KA14A00119
P3021	VJS4176	CONNECTOR (FEMALE)	1	K1KB80A00046
P3022	VJP3341	CONNECTOR (MALE)	1	
P3023	VJS4176	CONNECTOR (FEMALE)	1	K1KB80A00046
P3024-26	VJP4301B148	CONNECTOR (MALE)	3	K1KAA0A00074
R3001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3003	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	<u> </u>
R3005	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3007	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3009	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3011	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3013	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3015	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3017	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3019	ERJ8GEYJ470	M.RESISTOR CH 1/8W 47	1	
R3020	ERJ8GEYJ273	M.RESISTOR CH 1/8W 27K	1	
R3022	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3024	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3026-36	ERJ8GEYJ472	M.RESISTOR CH 1/8W 4.7K	11	
R3037-80	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	44	
R3101-27	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3128-54	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3155-81	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3182-08	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3209-35	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3236-62	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3263-89	ERJ3GEYJ331	M.RESISTOR CH 1/16W 220 M.RESISTOR CH 1/16W 330	27	
R3290-16	ERJ3GEYJ221	M.RESISTOR CH 1/16W 330 M.RESISTOR CH 1/16W 220	27	
			27	
R3317-43	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	+	
R3344-70	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3371-97	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3398-24	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
			-	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3425-51	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3452-78	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3479-05	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3506-32	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3533-59	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3560-86	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3587-13	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3614-40	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
R3641-67	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	27	
R3668-94	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	27	
■ E3	VEP66445A	FRONT SW P.C.BOARD	1	(RTL)
C23000	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C23001	EEVHB1C470	E.CAPACITOR 16V 47U	1	
P23000	VJP2741A014	CONNECTOR (MALE)	1	K1KA14A00119
P23001	VJP3440A016	CONNECTOR (MALE)	1	K1KA16A00138
QR23000-13	UN2214	TRANSISTOR-RESISTOR	14	
R23014-27	ERJ6GEYJ301	M.RESISTOR CH 1/10W 300	14	
R23028,29	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
SW23013	VSP0853A000	SWITCH	1	K0F111A00235
SW23019-22	VSP0864A000	SWITCH	4	K0F111A00243
			П	
	•			
■ E4	VEP66443A	FRONT PANEL P.C.BOARD	1	(RTL)
■ E4	VEP66443A	FRONT PANEL P.C.BOARD	1	(RTL)
■ E4	VEP66443A	FRONT PANEL P.C.BOARD	1	(RTL)
				(RTL)
C3000	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	(RTL)
C3000 C3001	ECUX1E104ZFV ECUX1H471KBV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P	1	(RTL)
C3000 C3001 C3002,03	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P	1 1 2	(RTL)
C3000 C3001 C3002,03 C3004-08	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U	1 1 2 5	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	1 1 2 5	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U	1 1 2 5 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	1 1 2 5 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012	ECUX1E104ZFV ECUX1H471KBV ECUX1H1204ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.01U E.CAPACITOR CH 50V 10U	1 1 2 5 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U	1 1 2 5 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H100 ECEA1CU100 ECEA1CU100 ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U	1 1 2 5 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV EEVHB1C100 ECEA1CU100 ECEA1CU100 ECUX1E104ZFV EEVHB1E4R7	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR 25V 4.7U	1 1 1 2 5 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV EEXHB1G100 ECEA1CU100 ECUX1E104ZFV EEVHB1E4R7 ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 4.7U C.CAPACITOR CH 50V 1000P	1 1 1 2 5 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004,08 C3009 C3010 C3011 C3011 C3012 C3013 C3014 C3015 C3016 C3016 C3017	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H1010 ECEA1CU100 ECEA1CU100 ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U	1 1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3016 C3017 C3018 C3019	ECUX1E104ZFV ECUX1H120JCV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECVHB1C100 ECEA1CU100 ECUX1E104ZFV ECVHB1E4R7 ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.01U E.CAPACITOR CH 25V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U	1 1 1 2 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3017 C3018 C3018 C3019 C3020	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U	1 1 1 2 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3017 C3018 C3019 C3020 C3021	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E100 ECEA1CU100 ECEA1CU100 ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.1U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 25V 4.7U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022,23	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR 25V 4.7U E.CAPACITOR 16V 10U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3017 C3018 C3019 C3020 C3021	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E100 ECEA1CU100 ECEA1CU100 ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.1U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 25V 4.7U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022,23	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3022 C3022 C3024	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR 25V 4.7U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004,08 C3009 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3024 C3025	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3009 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3022 C3022 C30224 C3025 C3026,27	ECUX1E104ZFV ECUX1H120JCV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV EEVHB1C100 ECEX1CU100 ECUX1E104ZFV ECUX1H102JV ECUX1H100JCFV EEVHB1C100 ECUX1E104ZFV ECUX1H10100 ECUX1E104ZFV EVHB1C100 ECUX1E104ZFV EVHB1C100 EVHB1C100 EVHB1E4R7 EVHB1C100	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U	1 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3022 C3024 C3025 C3026,27 C3028	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV EVHB1C100 ECEA1CU100 ECCA1CU100 ECUX1E104ZFV ECUX1H102JV EVHB1C100 EVHB1C100 EVHB1C100 EVHB1E4R7 EVHB1C100 EVHB1E4R7	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004-08 C3009 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3023 C3024 C3024 C3025 C3026 C3028 C3029 C3029 C3029 C3029	ECUX1E104ZFV ECUX1H471KBV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H103ZFV ECVHB1C100 EEVHB1C100 EEVHB1C100 EEVHB1C100 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECVHB1C100 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.0U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 10U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004-08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3022 C3022 C3022 C3022 C3022 C3024 C3025 C3028 C3029-43 C3044	ECUX1E104ZFV ECUX1H471KBV ECUX1H471KBV ECUX1H120JCV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 100 C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR 16V 10U C.CAPACITOR 16V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002 C3004 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3020 C3021 C3022 C3024 C3025 C3026 C3028	ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H10103ZFV ECUX1H10103ZFV ECUX1H10103ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002 C3004 C3002 C3004 C3009 C3010 C3011 C3011 C3012 C3013 C3016 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3024 C3025 C3026 C3026 C3028 C3028 C3028 C3028 C3028 C3044 C3045 C3045 C3046 C3045 C3046 C3046	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECVHB1C100 ECUX1E104ZFV ECUX1H103ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 100U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 0.1U E.CAPACITOR 16V 10U C.CAPACITOR 16V 10U C.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR 10V 10U C.CAPACI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002,03 C3004,08 C3009 C3010 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3020 C3022 C3024 C3025 C3026,27 C3028 C3024 C3028 C3044 C3044 C3045 C3046 C3047 C3048 C3047 C3048	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECVHB1C100 ECUX1E104ZFV ECVHB1C100 ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.00 E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 100 C.CAPACITOR CH 50V 100 E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3022 C3024 C3025 C3026 C3026 C3028 C3028 C3029 C3044 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3048,49 C4000 C4001	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECVHB1C100 ECUX1E104ZFV ECVHB1C100 ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.41U C.CAPACITOR CH 25V 0.1U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002,03 C3004-08 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3024 C3025 C3026,27 C3028 C3029 C3024 C3028 C3029 C3024 C3028 C3029 C3024 C3028 C30	ECUX1E104ZFV ECUX1H120JCV ECUX1H120JCV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECVHB1C100 ECUX1E104ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECUX1H10100 ECVHB1C4TPV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.01U C.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002 C3001 C3002 C3001 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3024 C3025 C3026 C3026 C3026 C3026 C3026 C3027 C3028 C3029 C3029 C3024 C3026 C3024 C3026 C3027 C3028 C3028 C3029 C3029 C3029 C3024 C3026	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.0U E.CAPACITOR CH 25V 10U E.CAPACITOR 16V 10U E.CAPACITOR 25V 4.7U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 100U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3001 C3002 C3004 C3010 C3011 C3011 C3012 C3013 C3016 C3016 C3017 C3018 C3019 C3020 C3021 C3022 C3024 C3025 C3024 C3025 C3024 C3025 C3024 C3026 C3026 C3020	ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H102JV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECEX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 50V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 1 1 1 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)	
C3000 C3001 C3001 C3002 C3004 C3009 C3001 C3011 C3011 C3012 C3013 C3016 C3016 C3017 C3018 C3019 C3020 C3020 C3020 C3022 C3024 C3025 C3026 C3026 C3026 C3044 C3045 C3045 C3046 C3047 C3046 C3047 C3047 C3047 C3048 C3047 C3048	ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H103ZFV ECUX1H104ZFV ECEA1HSN2R2	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 12P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 100U E.CAPACITOR CH 50V 10U E.CAPACITOR CH 50V 10U E.CAPACITOR 16V 10U E.CAPACITOR 16V 10U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002 C3001 C3002 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3020 C3022 C3024 C3025 C3026 C3026 C3026 C3026 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3046 C4000 C4001 C4002 C4003 C4006 C4007 C4006	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H102JV ECUX1H104ZFV ECUX1E104ZFV ECEA1HSNZR2 ECEA1CKA101 ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002 C3001 C3002 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3022 C3024 C3025 C3026	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1H103ZFV ECVHB1C100 ECUX1E104ZFV ECEA1HSNZR2 ECEA1CKA101 ECUX1E104ZFV ECVHB1C470	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACIT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C3000 C3001 C3002 C3001 C3002 C3001 C3001 C3001 C3011 C3012 C3013 C3014 C3015 C3016 C3017 C3018 C3019 C3020 C3020 C3022 C3024 C3025 C3026 C3026 C3026 C3026 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3044 C3045 C3046 C4000 C4001 C4002 C4003 C4006 C4007 C4006	ECUX1E104ZFV ECUX1H171KBV ECUX1H171KBV ECUX1H103ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H103ZFV ECUX1E104ZFV ECUX1H102JV ECUX1H104ZFV ECUX1E104ZFV ECEA1HSNZR2 ECEA1CKA101 ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 50V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D 1000 01	1114054041	DIODE	_	
D4000-04 D4008,09	LN1251CAL LN086WP38	DIODE	2	
D4000,09	LINOOUVI 30	LLD		
FL3000	VLF1016A472T	FILTER	1	
IC3000	HD64F7045F28	IC	1	
IC3003	LT1181ACSW	IC	1	C9ZB00000035
IC3004	TL7705CPSB	IC	1	
IC3006	TL16C552AFN	IC	1	
IC3007	LT1181ACSW	IC	1	C9ZB00000035
IC3008,09 IC3010	TVHC08FT TVHC04FT	IC IC	1	
IC3010	TVHC04F1	IC IC	1	
IC3015,16	C102115ZC	IC	2	
IC3017	TVHT245F	IC	1	
IC3018	TVHC393FT	IC	1	
IC4000-02	TVHT245F	IC	3	0.75574444
IC4003 IC4004-08	TE7751 TVHT245F	IC IC	5	C1ZBZ0000156
104004-06	1 1 1 1 2 4 3 5	ic .	3	
L4000,01	VLP0133	COIL	2	
P3000	VJP1232T	CONNECTOR (MALE) 5P	1	
P3001,02	VJP1230T	CONNECTOR (MALE) 3P	1	
P3003 P4000	VJS3281A006 VJP3440A014	CONNECTOR (FEMALE) CONNECTOR (MALE)	1	K1KA14A00042
P4001	VJP3440A016	CONNECTOR (MALE)	1	K1KA16A00138
P4002	VJP1188T	CONNECTOR (MALE)	+	K1KA04A00218
P4003	VJP1230T	CONNECTOR (MALE) 3P	1	
P4005	VJP1234T	CONNECTOR (MALE) 7P	1	K1KA07A00020
P4006	VJP1231T	CONNECTOR (MALE) 4P	1	
P4008 P4009	VJP1233T VJP1235T	CONNECTOR (MALE) 6P CONNECTOR (MALE) 8P	1	
P4010	VJP12351 VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P4012	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
Q4000	2SB1220-R	TRANSISTOR	1	
Q4001	2SD1821-R	TRANSISTOR	1	
Q4002 Q4003	2SC1847-Q 2SA886-Q	TRANSISTOR TRANSISTOR	1	
Q4003	23A000-Q	TRANSISTOR	<u> </u>	
QR4000	UN5211	TRANSISTOR-RESISTOR	1	
QR4001	UN5111	TRANSISTOR-RESISTOR	1	
QR4002-05	UN2115	TRANSISTOR-RESISTOR	4	
R3016-31 R3046-61	ERJ6GEYG103 ERJ6GEYG103	M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K	16 16	
R3062	ERJ6GEY0R00	M.RESISTOR CH 1/10W 10K	10	
R3086-08	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	23	
R3109	ERJ6GEYG302	M.RESISTOR CH 1/10W 3K	1	
R3110,11	ERJ6GEYJ201	M.RESISTOR CH 1/10W 200	2	
R3112-15		M.RESISTOR CH 1/10W 10K	4	
R3116-25	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	10	
R3126 R3127-36	ERJ6GEYG102 ERJ6GEY0R00	M.RESISTOR CH 1/10W 1K M.RESISTOR CH 1/10W 0	10	
R3127-36	ERJ6GEYF472	M.RESISTOR CH 1/10W 0	4	
R3141-43	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R3146-54	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	9	
R3156	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3157	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3158	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3160-62 R3164-67	ERJ6GEY0R00 ERJ6GEYG103	M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 10K	4	
R3164-67		M.RESISTOR CH 1/10W 10K	4	
R3172-77		M.RESISTOR CH 1/10W 10K	6	
R3178	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3179-96	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	18	
R3197	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3202	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3203 R3205	ERJ6GEYG470 ERJ6GEYG470	M.RESISTOR CH 1/10W 47 M.RESISTOR CH 1/10W 47	1	
R3205	ERJ6GEY0R00	M.RESISTOR CH 1/10W 47 M.RESISTOR CH 1/10W 0	1	
R3209	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R4000-04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	5	
1				

						when replacii	ng any or tnese components, use	OHII	y trie same type.
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks	Ref.No.	Part No.	Part Name & Description	Pc	Remarks
R4005-18	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	14		C10	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
R4019,20	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2		C11,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2)
R4021-25	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	5		C13,14	ECA1CM100	E.CAPACITOR 16V 10U	2)
R4029-32	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	4		C15	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
R4033	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1		C16,17	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	2	
R4034,35	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2		C18	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
R4036,37	ERDS2TJ102	C.RESISTOR 1/4W 1K	2		C19		C.CAPACITOR CH 25V 0.1U	1	
R4038,39	ERDS2TJ3R9	C.RESISTOR 1/4W 3.9	2		C20	ECEA1VSN2R2	E.CAPACITOR 35V 2.2U	1	
R4040,41	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2		C21,22	ECUX1E104ZFV		2	2
R4042-63	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	22		C23	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
R4073-94	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	22		C24	ECA1CM100	E.CAPACITOR 16V 10U	1	
SW3000	VSS0367-06B	SWITCH	1	K0D161A00001	C25 C27	ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P	-1	
SW3001	VSP1031	SWITCH	1	K0H1BA000328	C27	ECQB1H104JF	P.CAPACITOR 50V 0.1U	-	
3773001	V3F 1031	SWITCH	H	NOTTBA000328	C29	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
TP3000-06	EYF6CU	TEST POINT	7		C30	ECUX1H102JV	C.CAPACITOR CH 50V 1000P	1	
TP4000,01	EYF6CU	TEST POINT	2		C31	!		1	
					C32	ECHU1H104JB	P.CAPACITOR 50V 0.1U	1	
VR4000	VRV0064B202	V.RESISTOR 2K	1	D3CB72020003	C33-44	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	12	
					C45	ECA1CM471	E.CAPACITOR 16V 470U	1	
X3000	VSX0296	CRYSTAL OSCILLATOR	1	H0H715400001	C46	ECA0JM471	E.CAPACITOR 6.3V 470U	1	
					C47	ECA1CM471	E.CAPACITOR 16V 470U	1	
		MISCELLANEOUS			C48	ECA0JM471	E.CAPACITOR 6.3V 470U	1	
					C49-53			5	5
	VSC5176	REFLECTION PLATE	2		C54-60		C.CAPACITOR CH 50V 1000P	7	
	VMX2188160	SPACER	2	K9ZZ00000648	C61	!	C.CAPACITOR CH 25V 0.1U	1	
	-		<u> </u>		C62-72		C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U	11	
					C73-78 C79-91	!	C.CAPACITOR CH 25V 0.10 C.CAPACITOR CH 50V 1000P	13	
					C79-91		C.CAPACITOR CH 25V 0.1U	1	
■ E5	VEP66446A	FRONT F SW P.C.BOARD	1	(RTL)	C92-03		C.CAPACITOR CH 50V 1000P	11	
	721 00 1 10/1	THE THE THE THE THE THE THE THE THE THE	i i	(***2)	C104-09		C.CAPACITOR CH 25V 0.1U	6	
					C110-15		C.CAPACITOR CH 50V 1000P	6	
P13000	VJP1234T	CONNECTOR (MALE) 7P	1	K1KA07A00020	C116-20	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	5
					C121	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
SW13005-09	VSP0234	SWITCH	5						
					D1	LN1251CAL	DIODE	1	
					D2-D9	MA152K	DIODE	8	3
					D10,11	LN1251CAL	DIODE	2	
					D12-43	MA152K	DIODE	32	2
					D44-47	LN1251CAL	DIODE	4	l e
■ E6	VEP66447A	FRONT LED P.C.BOARD	1	(RTL)	D48-79	MA152K	DIODE	32	2
			-		D80,81	LN1251CAL	DIODE	2	<u>'</u>
D33000.01	LN086WP38	LED	2		<u></u>	VSF0015A10	IC PROTECTER	-	B1ZAZ0000014
200000,01	LINGOOVII GO	LLU	_			V C I GO 15/110	IOTROIEOTER	F.	D12120000014
P33000	VJP1233T	CONNECTOR (MALE) 6P	1		IC1,C2	KM681002J-20	IC	2)
1 00000	10. 12001	ooning or (install)	i i		IC3	VSI3072E	IC	1	
QR33000-03	UN2115	TRANSISTOR-RESISTOR	4		IC4	HD6477021X20	IC	1	C2DBBK000001
					IC5	SN75C1168NS	IC	1	
R33004-07	ERJ6GEYG221	M.RESISTOR CH 1/10W 220	4		IC6	LT1181ACSW	IC	1	C9ZB00000035
					IC7	TVHC04FT	IC	1	
TP33000,01	EYF6CU	TEST POINT	2		IC8	GS1881-CKA	IC	1	
			<u> </u>		IC9	TL7705CPSB	IC	1	
		MISCELLANEOUS			IC10	TVHC04FT	IC	1	
-			1		IC11	TVHC393FT	IC	1	
	VMX2188030	SWITCH	2	K9ZZ00000717	IC12,13	74F138SJ	IC	2	04000000000000
}	-		1		IC14,15	TL16C554FN	IC IC	2	C1DB00000465
			-		IC16-19 IC20	SN75C1168NS IDT71421A55P	IC IC	-	
			H		IC20 IC21	TVHC126FT	IC IC	1	
			H		IC21	TVHC126F1	IC	1	
■ E7	VEP66413A	ISIO P.C.BOARD	1	(RTL)	IC23	122V10C-15LJ	IC	1	C0JBAZ000298
.	VEP63231A	ISIO LPF P.C.BOARD	1	(RTL)FOR VEP66413A	IC24	IDT71321L55F	IC	-	C3HBCC000002
_	VEP60555A	REF P.C.BOARD	1	(RTL)FOR VEP66413A	IC25	ISP2032-80LT	IC	1	
			Ť		IC26,27	MC74HC244AF	IC	2	C0JBAZ001373
			İ		IC28-33	MC14013BF	IC	-	C0JBAF000325
C1	ECEA1CKA470	E.CAPACITOR 16V 47U	1	FOR VEP60555A	IC34	ISP2032-80LT	IC	1	
C1	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1		IC35,36	MC74HC244AF	IC	2	C0JBAZ001373
C1		C.CAPACITOR CH 50V 18P	1	FOR VEP63231A	IC37-42	MC14013BF	IC	6	C0JBAF000325
C2	ļ	C.CAPACITOR CH 25V 0.1U	1						
C2		C.CAPACITOR CH 50V 68P	1	FOR VEP63231A	ID1	VSI3133	IC	1	
C3-C6		C.CAPACITOR CH 25V 0.1U	4						
C7	ECEA1CKA101	E.CAPACITOR 16V 100U	1		IS3	VJS3096640	CONNECTOR (FEMALE)	1	K3E040C00030
C8,C9	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2					H	
					-			1	
<u> </u>	<u> </u>	l	<u> </u>			<u> </u>	1		1

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
J1,J2	VJS4177	CONNECTOR (FEMALE)	2	K1AA111A0002
L1	VLP0133	COIL	1	
L1	VLQ0133J221	COIL 220UH	+-	G1C221J00002 FOR VEP63231A
L2	VLP0133	COIL	1	
			1	
P1	VJP1230T	CONNECTOR (MALE) 3P	1	
P2	VJP1236T	CONNECTOR (MALE) 9P	1	K1KA09A00023
P3	VJP1232T	CONNECTOR (MALE) 5P	1	
P4	VJP1932T	CONNECTOR (MALE)	1	K1KA15A00010
P5,P6	VJP1230T	CONNECTOR (MALE) 3P	2	
P8	VJP1235T	CONNECTOR (MALE) 8P	1	
P9-12	VJP2540B010	CONNECTOR (MALE)	+	K1KA10B00054
P13	VJP2540A040	CONNECTOR (MALE)	+	K1KA40A00039
P14	VJP2540B050	CONNECTOR (MALE)	1	K1KA50B00017
Q1	2SB1220-R	TRANSISTOR	1	
Q1	2SC2295-C	TRANSISTOR	_	FOR VEP60555A
Q2	2SD1821-R	TRANSISTOR	1	
Q3	2SB1220-R	TRANSISTOR	1	
Q4	2SC1847-Q	TRANSISTOR	1	
Q5	2SA886-Q	TRANSISTOR	1	
QR1-R4	UN5211	TRANSISTOR-RESISTOR	4	
QR5	UN5111	TRANSISTOR-RESISTOR	1	
QR6-19	UN5211	TRANSISTOR-RESISTOR	14	
QR20-43	UN2214	TRANSISTOR-RESISTOR	24	
			1	500 V50000 V
R1	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	FOR VEP63231A
R1	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	FOR VERSOUTE:
R1	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	_	FOR VEP60555A
R2	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	_	FOR VEP60555A
R2,R3	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	_	FOR VEP60555A
R4	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R4	ERJ6GEYG680	M.RESISTOR CH 1/10W 68	+	FOR VEP60555A
R5	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R5	ERJ6GEYG330	M.RESISTOR CH 1/10W 33	+	FOR VEP60555A
R6-17	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	12	
R18	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R19,20	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R21	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R22	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R23	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R24	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R25	ERJ6GEYJ4R7	M.RESISTOR CH 1/10W 4.7K	1	
R26	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R27	ERJ6GEYG222	M.RESISTOR CH 1/10W 2.2K	1	
R28	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R29	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	1	
R30	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R31	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R32,33	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	2	
R34	ERJ6GEYG153	M.RESISTOR CH 1/10W 15K	1	
R35	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R36	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R37,38	ERDS2TJ102	C.RESISTOR 1/4W 1K	2	
R39	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R40,41	ERDS2TJ3R9	C.RESISTOR 1/4W 3.9	2	
R42,43	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R44	ERJ6GEYJ684	M.RESISTOR CH 1/10W 680K	1	
R45	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R46	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R47-50	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	4	
R51	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R52,53	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R54,55	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R56	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R57	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R58-60	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R61-63	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	3	<u> </u>
R64	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R65	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R66-68	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
R69	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
	1		1	

			_	
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
			_	Remarks
R70,71	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
R72,73	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R74	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R75,76			-	
R77	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R78,79	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R80	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
			+ -	
R81	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R82	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
	ļ		-	
R83,84	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R85,86	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	2	
R87-89	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	3	
			+	
R90-93	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	4	
R94-97	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	4	
R98,99	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	2	
			-	
R101-07	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	7	
R108-14	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	7	
			+	
R115,16	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R117-44	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	28	
D445.47			3	
R145-47	ERJ6GEY0R00		3	
R148-75	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	28	
R176-81	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	6	
11110-01	L.1000L114/2		+ 3	
			1	
SW1	VSP1031	SWITCH	1	K0H1BA000328
			+	
SW2	VSS0207	SWITCH	-	K0D112B00077
SW4,W5	VSS0367-08B	SWITCH	2	<u> </u>
-	1			
TO1 C*	EVECOL	TECT DOINT	+-	
TG1-G3	EYF6CU	TEST POINT	3	
	1		1	
TP1-P4	EYF6CU	TEST POINT	4	
11 1-1-4	L11 000	TEST FOINT	"	
VR1	VRV0063B202	V.RESISTOR 2K	1	D3CA72020005
			H	
X1	VSX1024	CRYSTAL OSCILLATOR	1	H0J196500006
			t	
			-	
		MISCELLANEOUS		
	1		١.	
	M27C102410F1	ROM	1	
	M27C102410F1 VMP5777	ROM ISIO PLATE	1	
	VMP5777	ISIO PLATE	1	
	VMP5777 XYN3+F6	ISIO PLATE SCREW	1 2	
	VMP5777	ISIO PLATE	1	
	VMP5777 XYN3+F6	ISIO PLATE SCREW	1 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2	
■ E8	VMP5777 XYN3+F6 VMX2780 VJP2509	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE)	1 2 2 1	(RTL)
■ E8	VMP5777 XYN3+F6 VMX2780	ISIO PLATE SCREW BNC SPACER	1 2 2 1	(RTL)
■ E8	VMP5777 XYN3+F6 VMX2780 VJP2509	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE)	1 2 2 1	(RTL)
■ E8	VMP5777 XYN3+F6 VMX2780 VJP2509	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE)	1 2 2 1	(RTL)
■ E8	VMP5777 XYN3+F6 VMX2780 VJP2509	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE)	1 2 2 1	(RTL)
C1	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U	1 2 2 1 1 1 1 1	(RTL)
C1 C2	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U	1 2 2 1 1 1 1 1 1 1 1	(RTL)
C1	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U	1 2 2 1 1 1 1 1	(RTL)
C1 C2	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U	1 2 2 1 1 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 2	(RTL)
C1 C2 C3 C4,C5	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U	1 1 1 1 1 2 2 1 1	(RTL)
C1 C2 C3 C4,C5	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 2	(RTL)
C1 C2 C3 C4,C5	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U	1 1 1 1 1 2 2 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 EEVHB1A330 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 2 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR C.SP 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR C.SV 0.1U E.CAPACITOR 6.3V 470U	1 2 2 1 1 1 1 1 1 2 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR C.SP 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR C.SV 0.1U E.CAPACITOR 6.3V 470U	1 2 2 1 1 1 1 1 1 2 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(RTL)
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECVX1E104ZFV EVHB1A330 ECUX1E104ZFV EVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECVX1E104ZFV EVHB1A330 ECUX1E104ZFV EVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV EVHB1A330 ECUX1E104ZFV EVHB1A330 ECUX1E104ZFV EVHB1A330 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECAUM1471 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECUM1H120JCN ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECAUM1471 ECUX1E104ZFV ECYHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECAUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECAUX1E104ZFV ECYHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U	1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C33 C34,35	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 ECVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV EVHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C310 C31,32 C34,35 C38-45	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C33 C34,35	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C33 C34,35 C38-45 C47	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E1042FV ECA0JM471 ECUX1E1042FV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C34,35 C34,35 C38-45 C47 C48-53	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWXH102JFV ECWXH102JFV ECWXH102JFV ECWXH102JFV ECWXH103ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR 10V 30U C.	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C34,35 C34,35 C38-45 C47 C48-53 C54	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C34,35 C34,35 C38-45 C47 C48-53	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWHB1A330 ECUX1E104ZFV ECWXH102JFV ECWXH102JFV ECWXH102JFV ECWXH102JFV ECWXH103ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI I/F 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR 10V 30U C.	1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C34,35 C38-45 C47 C48-53 C54 C55-70	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C34,35 C34,35 C38-45 C47 C48-53 C54	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C1 C2 C3 C4,C5 C6 C7 C8 C9 C10 C11 C12-22 C23 C24-26 C27,28 C29 C30 C31,32 C33 C34,35 C38-45 C47 C48-53 C54 C55-70	VMP5777 XYN3+F6 VMX2780 VJP2509 VEP66414A ECA0JM471 EEVHB1C470 ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	ISIO PLATE SCREW BNC SPACER CONNECTOR (MALE) CSDI VF 1 P.C.BOARD E.CAPACITOR 6.3V 470U E.CAPACITOR 16V 47U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Ref.No. C72-77	Part No. ECUX1E104ZFV	Part Name & Description C.CAPACITOR CH 25V 0.1U	Pcs 6	Remarks
C72-77		C.CAPACITOR CH 25V 0.10 C.CAPACITOR CH 16V 0.47U	1	
			-	
C79-87 C88		C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.047U	9	
		C.CAPACITOR CH 25V 0.0470	2	
C89,90				
C91	ECST1CY335Z	T.CAPACITOR CH 16V 3.3U	1	
C92-03		C.CAPACITOR CH 25V 0.1U	12	
C104	ECUX1H103ZFV	C.CAPACITOR CH 50V 0.01U	1	
			-	
D1,D2	MA152K	DIODE	2	
D3	LN1251CAL	DIODE	1	
D4-D9	MA152K	DIODE	6	
D10	LN1251CAL	DIODE	1	
D11-14	MA152K	DIODE	4	
D31-41	LN1251CAL	DIODE	11	
D56,57	MA152K	DIODE	2	
IC1	XC62AP3202P	IC	1	C0CBABC00050
IC2	AN78M05	IC	1	
IC3,C4	74F244SJ	IC	2	
IC5	VSI3073H	IC	1	
IC6	LC35256FM70U	IC	1	
IC7	MC74HC138AF	IC	1	
IC8	74F245SJ	IC	-	C0JBCZ000183
IC9	MC74HC244AF	IC	-	C0JBAZ001373
IC10	HD6477021X20	IC IC	1	C2DBBK000001
IC11	SN75C1168NS	IC IS	1	
IC12	MC74HC00AF	IC IS	1	
IC13	TL7705CPSB	IC	1	
IC14	MC74HC04AF	IC	1	
IC15,16	MC74HC244AF	IC	2	C0JBAZ001373
IC19-22	T74LCX244F	IC	4	
IC26	LT1466LCS8	IC	1	C0ABBZ000013
IC27	T74VHC245F	IC	1	
IC28-37	T74LCX244F	IC	10	
IC40	MC74HC125AF	IC	1	
IC41	LT1466LCS8	IC	1	C0ABBZ000013
IC42	T74VHC245F	IC	1	
IC43-48	T74LCX244F	IC	6	
IC49	T74VHC245F	IC	1	
IC50	C1ZBZ0000853	IC	1	
IC51	MC74HC125AF	IC	1	
IC52	LT1466LCS8	IC	1	C0ABBZ000013
IC52	T74VHC245F	IC	1	CUABB2000013
			-	0.007700000
IC54	MC10H124M	IC	1	C0JBZZ000020
IC55	T74VHC245F	IC	1	
IC61	ISP2032-80LT	IC	1	
ID1	VVVSI3131E	IC	1	
ID2	VSI3132	IC	1	
			L	
IS5	VJS2336A032	CONNECTOR (FEMALE)	1	K3E032C00033
		COIL	-	-
L1,L2	VLP0133	COIL	2	
L1,L2	VLP0133	COIL	2	
L1,L2 P1,P2	VLP0133 VJP3454B096	CONNECTOR (MALE)		K1KA96B00021
				K1KA96B00021
P1,P2	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021 K1KA08B00011
P1,P2 P3	VJP3454B096 VJP3816B068	CONNECTOR (MALE) CONNECTOR (MALE)	2	
P1,P2 P3	VJP3454B096 VJP3816B068	CONNECTOR (MALE) CONNECTOR (MALE)	2	
P1,P2 P3 P4,P5	VJP3454B096 VJP3816B068 VJP1248T	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P	2 1 2	
P1,P2 P3 P4,P5	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR	2 1 2	
P1,P2 P3 P4,P5	VJP3454B096 VJP3816B068 VJP1248T	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P	2 1 2	
P1,P2 P3 P4,P5 Q2 QR1-13	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR-RESISTOR	2 1 2 1	
P1,P2 P3 P4,P5 Q2 QR1-13	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K	2 1 2 1 1 13	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 47K	2 1 2 1 13 41 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYJ4R7	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	1 1 13 41 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYJ4R7 ERJ6GEYF473	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 11 11 11	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 41 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 11 11 11	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF473	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 41 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45 R46	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYG470 ERJ6GEYF472	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	1 1 13 41 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45 R46 R47	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UNS211 ERJ6GEYF472 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4F7 ERJ6GEYG470 ERJ6GEYG470 ERJ6GEYG152	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 41 1 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45 R46 R47 R48	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYF473 ERJ6GEYF473 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) 8P TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 1.5K	13 13 41 1 1 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45 R46 R47 R48 R49	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYF472 ERJ6GEYG470 ERJ6GEYG470 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) RP TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	13 13 11 1 1 1 1 1 1 1 1	
P1,P2 P3 P4,P5 Q2 QR1-13 R1-41 R42 R43 R44 R45 R46 R47 R48 R49 R50	VJP3454B096 VJP3816B068 VJP1248T 2SK663-R UN5211 ERJ6GEYF472 ERJ6GEYF473 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYJ4R7 ERJ6GEYF472 ERJ6GEYG470 ERJ6GEYG470 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF472 ERJ6GEYF6152	CONNECTOR (MALE) CONNECTOR (MALE) CONNECTOR (MALE) RP TRANSISTOR TRANSISTOR-RESISTOR M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 1.5K M.RESISTOR CH 1/10W 1.K	2 1 2 1 1 3 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R55	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	Romano
R56,57	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R58	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R59-69	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	11	
R70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R71-74	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R81-88	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	8	
R89,90	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R91,92	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R94-96	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	3	
R97,98	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R99-02	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R103,04	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R105-08	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R109	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R110	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R111	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R112	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R113	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R114	ERJ6GEYG105 ERJ6GEYG223	M.RESISTOR CH 1/10W 1M M.RESISTOR CH 1/10W 22K	1	
R115			₽-i	
R116 R117-26	ERJ6GEYG102 ERJ6GEYG470	M.RESISTOR CH 1/10W 1K M.RESISTOR CH 1/10W 47	10	
R117-26 R127,28	ERJ6GEYG470 ERJ6GEYG331	M.RESISTOR CH 1/10W 4/ M.RESISTOR CH 1/10W 330	10	
R129-39	ERJ6GEYG470	M.RESISTOR CH 1/10W 330 M.RESISTOR CH 1/10W 47	11	
R140-66	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	27	
R167,68	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R169,70	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R172-74	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	3	
R175,76	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R177-80	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R181,82	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R183-86	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R187	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R188	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R189	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R190	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R191	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R192	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R193	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R194	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R195-04	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	10	
R205,06	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R207-17	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	11	
R218-38	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	21	
R239-42	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	4	
R243	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 150K	1	
R245 R246	ERJ6GEYG154 ERJ6GEYF822		1	
	****	M.RESISTOR CH 1/10W 8.2K M.RESISTOR CH 1/10W 10K	1	
R247 R248	ERJ6GEYG103 ERJ6GEYG105	M.RESISTOR CH 1/10W 10K	1	
R249	ERJ6GEYG223	M.RESISTOR CH 1/10W 1W M.RESISTOR CH 1/10W 22K	1	
R250	ERJ6GEYG103	M.RESISTOR CH 1/10W 22K	1	
R251	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R252	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R253	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R254	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R255	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R256,57	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R258,59	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R260	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R261	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R262-64	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	3	
R265,66	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R267,68	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R269-71	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	3	
R272-82	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	11	
R283	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R284	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R285,86	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R287	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R288	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R289,90 R291,92	ERJ6GEYG103 ERJ6GEYJ334	M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 330K	2	
11231,32	L11000L10004		Ľ	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R301-11	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	11	
R312-16	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	5	
SW1	VSP1031	SWITCH	1	K0H1BA000328
SW2-W4	VSS0367-08B	SWITCH	3	
TG3	EYF6CU	TEST POINT	1	
TG29	EYF6CU	TEST POINT	1	
TG55	EYF6CU	TEST POINT	1	
TG76	EYF6CU	TEST POINT	1	
1070	211000	TEOT I GIIVI	 '	
TD4 D0	EYF6CU	TEST POINT	_	
TP1,P2			2	
TP4-28	EYF6CU	TEST POINT	25	
TP30-54	EYF6CU	TEST POINT	25	
TP56-75	EYF6CU	TEST POINT	20	
TP77	EYF6CU	TEST POINT	1	
X1	VSX1024	CRYSTAL OSCILLATOR	1	H0J196500006
X2,X3	VSX0789	CRYSTAL OSCILLATOR	2	H1C1805B0001
X5	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006
		MISCELLANEOUS		
	M27C100115F1	IC	1	
	VML2143	CARD PULLER	1	
	VML2143 VML2144	CARD PULLER	1	
	VSC4936	IC	1	
	XTV3+8FR XTV26+12	SCREW SCREW	3	
			1	
	VMC1560	EARTH PLATE	1	
■ E9	VEP66414B	CSDI I/F 2 P.C.BOARD	1	(RTL)
C1	ECA0JM471	E.CAPACITOR 6.3V 470U	1	
C2	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3	ECA0JM471	E.CAPACITOR 6.3V 470U	1	
C4 C5	ECUX1E1047EV	C CAPACITOR CH 25V 0.1II	2	
C4,C5	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C6	ECA0JM471	E.CAPACITOR 6.3V 470U	1	
C6 C7	ECA0JM471 EEVHB1A330	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U	1	
C6 C7 C8	ECA0JM471 EEVHB1A330 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U	1 1 1	
C6 C7 C8 C9	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U	1 1 1	
C6 C7 C8 C9	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U	1 1 1	
C6 C7 C8 C9	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U	1 1 1 1 1	
C6 C7 C8 C9	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U	1 1 1 1	
C6 C7 C8 C9 C10	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U	1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV EVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C38-45	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 8 8 8 8	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C38-45 C47	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 2 8 8 11	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,322 C33 C34,35 C38-45 C47 C48-53	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 2 8 11 6	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C34,35 C47 C48-53 C54	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.4V	11 11 11 11 11 11 11 12 8 11 6	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C34,35 C47 C48-53 C54 C55-70	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 2 8 8 11 6 6 11	
C6 C7 C8 C9 C10 C11 C11 C26 C29 C30 C31,32 C33 C34,35 C34,35 C38-45 C47 C48-53 C54 C55-70 C71	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1H20ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 11 12 2 8 8 11 6 6 11 16 16	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C34,35 C47 C48-53 C54 C55-70	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 2 8 8 11 6 6 11	
C6 C7 C8 C9 C10 C11 C11 C26 C29 C30 C31,32 C33 C34,35 C34,35 C38-45 C47 C48-53 C54 C55-70 C71	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 11 12 2 8 8 11 6 6 11 16 16	
C6 C7 C8 C9 C10 C11 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV ECVHB1A330 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 22 11 66 11 16 16 16	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,32 C33,35 C34,35 C47 C48-53 C54 C55-70 C77 C78	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 15V 0.1U C.CAPACITOR CH 15V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 22 88 11 66 11 66 11	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,32 C33,35 C34,35 C47 C48-53 C54 C55-70 C71 C72-77 C78 C79 C78 C79 C77 C78 C77	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 11 11 11 11 12 22 88 11 16 66 11 16 9	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,322 C33 C33,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C79-87 C88	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.047U	1 1 1 1 1 1 1 1 1 1 1 1 2 2 8 8 1 1 6 6 1 1 1 6 1 1 1 1 6 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C34,35 C54 C47 C48-53 C54 C77 C77 C77 C78 C78 C78-67 C88 C89,90 C91	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 2 2 8 8 1 1 1 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C78 C78 C88 C89,90	ECAOJM471 EEVHB1A330 ECUX1E104ZFV ECAOJM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 2 2 8 8 1 1 1 1	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,32 C33,35 C34,35 C34,35 C47 C48-53 C54 C77 C78 C79 C79 C79 C79 C78 C79 C79 C88,90 C91 C92-02	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,32 C33,35 C34,35 C47 C48-53 C54 C55-70 C71 C72-77 C78 C88 C89,90 C91 C92-02	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,32 C33,35 C34,35 C34,35 C47 C48-53 C54 C77 C78 C79 C79 C79 C79 C78 C79 C79 C88,90 C91 C92-02	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 470U E.CAPACITOR 6.3V 470U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 25V 0.1U	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,322 C33 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C88 C89,90 C91 C92-02 D11-14 D56,57	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV EXAMPLE 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 1	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1001U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U DIODE DIODE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C88 C89,90 C91 C92-02 D11-14 D56,57	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U DIODE DIODE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COCBABCO0050
C6 C7 C8 C9 C10 C111 C18 C26 C29 C30 C31,322 C33 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C88 C89,90 C91 C92-02 D11-14 D56,57	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV ECX1E104ZFV EXAMPLE 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 104ZFV EXAMPL 1	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1001U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 25V 0.1U DIODE DIODE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COCBABC00050
C6 C7 C8 C9 C10 C11 C18 C26 C29 C30 C31,32 C33 C34,35 C38-45 C47 C48-53 C54 C55-70 C71 C72-77 C78 C88 C89,90 C91 C92-02 D11-14 D56,57	ECA0JM471 EEVHB1A330 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV ECA0JM471 ECUX1E104ZFV	E.CAPACITOR 6.3V 470U E.CAPACITOR 10V 33U C.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U E.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U DIODE DIODE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C0CBABC00050 C0JBAZ001373

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC13	TL7705CPSB	IC	1	
IC14	MC74HC04AF	IC	1	
IC15,16	MC74HC244AF	IC	2	C0JBAZ001373
IC19-22	T74LCX244F	IC	4	
IC26	LT1466LCS8	IC	1	C0ABBZ000013
IC27	T74VHC245F	IC	1	
IC28-37	T74LCX244F	IC	10	
IC40	MC74HC125AF	IC	1	
IC41	LT1466LCS8	IC	1	C0ABBZ000013
IC42	T74VHC245F	IC	1	
IC43-48	T74LCX244F	IC	6	
IC49	T74VHC245F	IC .	1	
IC50	C1ZBZ0000853	IC .	1	
IC51	MC74HC125AF	IC .	1	004007000040
IC52	LT1466LCS8	IC IC	1	C0ABBZ000013
IC53	T74VHC245F	IC IC	1	C0 ID 77000000
IC54 IC55	MC10H124M T74VHC245F	IC IC	1	C0JBZZ000020
1000	174VHC243F		<u> </u>	
ID1	VVVSI3229C	IC	1	
IDI	V V V 313229C		_ '	
L1,L2	VLP0133	COIL	2	
L1,L2	VLP0133	COIL		
P1,P2	VJP3454B096	CONNECTOR (MALE)	2	K1KA96B00021
P1,P2	VJP3454B096 VJP3816B068	CONNECTOR (MALE)	1	
P3	VJP3816B068 VJP1248T	CONNECTOR (MALE) 8P	-	K1KA08B00011
14	V3F 12401	CONNECTOR (MALE) OF	Ľ	KINAOODOOTT
Q2	2SK663-R	TRANSISTOR	1	
QZ	23K003-K	TRAINSISTOR	<u>'</u>	
R20-33	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	14	
R36,37	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R40,41	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R46	ERJ6GEYG470	M.RESISTOR CH 1/10W 4.7K	1	
R47	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R49	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R50	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R51,52	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R55	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R60-63	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R66-69	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	4	
R70	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R73	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R83-88	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	6	
R89,90	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R91,92	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R94-96		M.RESISTOR CH 1/10W 47	3	
R97,98		M.RESISTOR CH 1/10W 10K	2	
R99-02	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R103,04		M.RESISTOR CH 1/10W 10K	2	
R105-08		M.RESISTOR CH 1/10W 47	4	
R109		M.RESISTOR CH 1/10W 470	1	
R110	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R111	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R112	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R113	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R114	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R115	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R116		M.RESISTOR CH 1/10W 1K	1	
R117-26		M.RESISTOR CH 1/10W 47	10	
R127,28		M.RESISTOR CH 1/10W 330	2	
R129-39		M.RESISTOR CH 1/10W 47	11	
R140-66		M.RESISTOR CH 1/10W 10K	27	
R167,68	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R169,70	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R172-74	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	3	
R175,76	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R177-80	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R181,82	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R183-86	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	4	
R187	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R188		M.RESISTOR CH 1/10W 0	1	
R189		M.RESISTOR CH 1/10W 47K	1	
R190	ERJ6GEYF123	M.RESISTOR CH 1/10W 12K	1	
R191		M.RESISTOR CH 1/10W 10K	1	
R192	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R193	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	* *
R194		M.RESISTOR CH 1/10W 1K	1	
R195-04	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	10	
R205,06	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R207-17	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	11	
R218-38	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	21	
R239-42	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	4	
R243	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R244	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R245	ERJ6GEYG154	M.RESISTOR CH 1/10W 150K	1	
R246	ERJ6GEYF822	M.RESISTOR CH 1/10W 8.2K	1	
R247	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R248	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R249	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R250	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R251	ERJ6GEYF473	M.RESISTOR CH 1/10W 47K	1	
R252	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
			1	
R253	ERJ6GEYG470		+	
R254	ERJ6GEYJ820	M.RESISTOR CH 1/10W 82	1	
R255	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R256,57	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R258,59	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R260	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	1	
R261	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R262-64	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	3	
R265,66	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	2	
R267,68	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R269-71	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	3	
R272-82	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	11	
R283	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R284	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	1	
R285,86	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R287	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	1	
R288	ERJ6GEYG470	M.RESISTOR CH 1/10W 330K	1	
			+	
R289,90	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R291,92	ERJ6GEYJ334	M.RESISTOR CH 1/10W 330K	2	
SW1	VSP1031	SWITCH	+	K0H1BA000328
SW2	VSS0367-08B	SWITCH	1	
SW4	VSS0367-08B	SWITCH	1	
TG3	EYF6CU	TEST POINT	1	
TG29	EYF6CU	TEST POINT	1	
TG55	EYF6CU	TEST POINT	1	
TG76		TEST POINT		
	EYF6CU	120110111	1	
	EYF6CU	120110111	1	
TP1,P2	EYF6CU EYF6CU	TEST POINT	2	
TP1,P2	EYF6CU	TEST POINT	2	
TP1,P2 TP4-28 TP30-54	EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT	2 25 25	
TP1,P2 TP4-28 TP30-54 TP56-75	EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT	2 25 25 20	
TP1,P2 TP4-28 TP30-54	EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT	2 25 25	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77	EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT	2 25 25 20 1	H4C49A5BAAA4
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR	2 25 25 20 1	H1C1805B0001
TP1,P2 TP4-28 TP30-54 TP56-75 TP77	EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT	2 25 25 20 1	H1C1805B0001 H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR	2 25 25 20 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR	2 25 25 20 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS	2 25 25 20 1 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER	2 25 25 25 20 1 1 2 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS	2 25 25 20 1 1 2 1 1 1 1 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER	2 25 25 25 20 1 1 2 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER	2 25 25 20 1 1 2 1 1 1 1 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER	2 25 25 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW	2 25 25 20 1 2 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 2 1 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 2 1 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 2 1 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 2 1 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 2 1 1 1 1 1 1 1 3	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE	2 25 25 20 1 1 1 1 1 1 1 1 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW	2 25 25 20 1 1 1 1 1 1 1 1 1 1	
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE	2 25 25 20 1 1 1 1 1 1 1 1 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560 VEP83457A	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE DVC PCI P.C.BOARD	2 25 25 20 1 1 1 1 1 1 3 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5 ■ E10	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560 VEP83457A ECUX1E104ZFV	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE DVC PCI P.C.BOARD C.CAPACITOR CH 25V 0.1U	2 2 25 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5 ■ E10 C1,C2 C3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560 VEP83457A ECUX1E104ZFV EEVHB1C470	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE DVC PCI P.C.BOARD C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 47U	2 2 25 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5 ■ E10 C1,C2 C3 C4	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560 VEP83457A ECUX1E104ZFV EEVHB1C470 ECUX1E104ZFV	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE DVC PCI P.C.BOARD C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 47U C.CAPACITOR CH 25V 0.1U	2 2 25 20 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H1C2705B0006
TP1,P2 TP4-28 TP30-54 TP56-75 TP77 X2,X3 X5 ■ E10 C1,C2 C3	EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU EYF6CU VSX0789 VSX0788 VML2143 VML2144 VSC4936 XTV3+8FR XTV26+12 VMC1560 VEP83457A ECUX1E104ZFV EEVHB1C470	TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT TEST POINT CRYSTAL OSCILLATOR CRYSTAL OSCILLATOR MISCELLANEOUS CARD PULLER CARD PULLER IC SCREW SCREW EARTH PLATE DVC PCI P.C.BOARD C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 47U	2 2 25 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H1C2705B0006

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6-11	ECUX1E104ZFV		6	
C12	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C13	ECUX1E104ZFV		1	
C14	EEVHB1H1R0	E.CAPACITOR 50V 1U	1	
C15	ECUX1E104ZFV ECUX1H102JV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P	1	
C16 C17-21	ECUX1H102JV ECUX1E104ZFV	C.CAPACITOR CH 50V 1000P	5	
C17-21 C22-32		C.CAPACITOR CH 25V 0.10 C.CAPACITOR CH 50V 100P	11	
C22-32 C33-36	ECUX1E104ZFV		4	
C33-36	EEVHB1C470	E.CAPACITOR CH 25V 0.10	1	
C101-16	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	16	
C201-06		C.CAPACITOR CH 25V 0.1U	6	
C209-36		C.CAPACITOR CH 25V 0.1U	28	
C301-06		C.CAPACITOR CH 25V 0.1U	6	
C309-36		C.CAPACITOR CH 25V 0.1U	28	
C401-04		C.CAPACITOR CH 25V 0.1U	4	
C409-17	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	9	
C501-04	ECUX1E104ZFV		4	
C509-17	ECUX1E104ZFV		9	
C551	ECCF1H151J	C.CAPACITOR 50V 150P	1	
			t	
D201	LN1251CAL	DIODE	1	
D202	LN1351C	DIODE	1	
D203	LN1251CAL	DIODE	1	
D204	LN1351C	DIODE	1	
D301	LN1251CAL	DIODE	1	
D302	LN1351C	DIODE	1	
D303	LN1251CAL	DIODE	1	
D304	LN1351C	DIODE	1	
D401,02	LN1351C	DIODE	2	
D501,02	LN1351C	DIODE	2	
			t	
IC1	IDT88915T10E	IC	1	
IC2	LT1086CM33	IC	1	
IC3	TL7705CPSB	IC	1	
IC4	VSI3135C	IC	1	
IC5	VSI3134C	IC	1	
IC6	SN74ALS244CS	IC	1	
IC7,C8	SN74AS244AN	IC	2	
IC101	EPF10K30A201	IC	1	C0JBZZ000147
IC103	IDT723624L15	IC	1	
IC201	EPF10K30A242	IC	1	C1ZBZ0001282
IC202,03	IDT72801L15P	IC	2	
IC204-15	HM530281-20	IC	12	C3HBJC000001
IC301	EPF10K30A242	IC	1	C1ZBZ0001282
IC302,03	IDT72801L15P	IC	2	
IC304-15	HM530281-20	IC	12	C3HBJC000001
IC401	EPF10K10TC3	IC	_	C0JBAZ001101
IC402	SN74S1053NS	IC	1	
IC403,04	T74VHC245F	IC	2	
IC405	T74LCX244F	IC	1	
IC406	SN74S1053NS	IC	1	
IC407,08	T74VHC245F	IC	2	
IC409	T74LCX244F	IC	1	
IC501	EPF10K10TC3	IC	1	C0JBAZ001101
IC502	SN74S1053NS	IC	1	
IC503,04	T74VHC245F	IC	2	
IC505	T74LCX244F	IC	1	
IC506	SN74S1053NS	IC	1	
IC507,08	T74VHC245F	IC	2	
IC509	T74LCX244F	IC	1	
IS4,S5	VJS3096308	CONNECTOR (FEMALE)	2	K3E008C00031
			1	
L1	VLP0133	COIL	1	
P3	VJP3635A080	CONNECTOR (MALE)	1	K1KA80A00069
P4	VJP1248T	CONNECTOR (MALE) 8P	1	K1KA08B00011
P401	VJP3635A040	CONNECTOR (MALE)	1	K1KA40A00131
P402	VJP3816B068	CONNECTOR (MALE)	1	
P404	VJP1245T	CONNECTOR (MALE)	1	
P501	VJP3635A040	CONNECTOR (MALE)	1	K1KA40A00131
P502	VJP3816B068	CONNECTOR (MALE)	1	
R12-18	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	7	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R19	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R20,21	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	2	
R22-32	ERJ6GEYG750	M.RESISTOR CH 1/10W 75	11	
R33-38	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	6	
R40-71	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	32	
R101-63	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	63	
R201-04	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	4	
R206	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R301-04	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	4	
R306	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R401,02	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R403,04	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R405-36	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	32	
R437-40	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R441,42	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R443-58	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	16	
R501,02	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R503,04	ERJ6GEYG471	M.RESISTOR CH 1/10W 470	2	
R505-36	ERJ6GEYG470	M.RESISTOR CH 1/10W 47	32	
R537-40	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R541-56	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	16	
	ļ			
SW1	VJP1990	CONNECTOR (MALE)	1	
SW401	VSS0367-04B	SWITCH	1	
	ļ			
TG1-G8	EYF6CU	TEST POINT	8	
TP101-06	EYF6CU	TEST POINT	6	
TP201-04	EYF6CU	TEST POINT	4	
TP220-32	EYF6CU	TEST POINT	13	
TP241,42	EYF6CU	TEST POINT	2	
TP301-04	EYF6CU	TEST POINT	4	
		MISCELLANEOUS		
	EPC1PC8	IC	1	
	EPC1PC8	IC	1	
	VMP5784	ISA BRACKET (NC)	1	
	XYN3+F6	SCREW	2	
■ E11	VEP63228B	ANALOG DECODER P.C.BOARD	1	(RTL)
	\/ED000004	VCXO P.C.BOARD	1	(RTL)FOR VEP63228B
	VEP63233A			
	VEP63233A			
	VEP63233A			
C1		C.CAPACITOR CH 25V 1U	1	FOR VEP63233A
C1 C3101,02		C.CAPACITOR CH 25V 1U T.CAPACITOR CH 16V 10U	1 2	FOR VEP63233A
	ECUX1E105KBM ECST1CX106Z		l-	FOR VEP63233A
C3101,02	ECUX1E105KBM ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	FOR VEP63233A
C3101,02 C3103,04	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U	2	FOR VEP63233A
C3101,02 C3103,04 C3105	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U	2	FOR VEP63233A
C3101,02 C3103,04 C3105 C3106	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H680JCV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U	2 1 1	FOR VEP63233A
C3101,02 C3103,04 C3105 C3106 C3107	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H680JCV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 68P	2 2 1 1 1	FOR VEP63233A F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 68P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1	
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H104KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 68P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P	2 2 1 1 1 1	
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H680JCV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 68P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U	2 2 1 1 1 1 1 1 2	
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H104EV ECUX1H104EV ECUX1H104EV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 39P	2 2 1 1 1 1 1 1 2	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1E104ZFV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 39P C.CAPACITOR CH 50V 1000P	2 2 1 1 1 1 1 2 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H680JCV ECUX1H103KBV ECUX1H102KBV ECUX1E104ZEV ECUX1E104ZEV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H104KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 39P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 1 1 1 2	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,111 C3112 C3113 C3114,15 C3116	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H390JCV ECUX1H102KBV ECUX1H104KBV ECUX1H104KBV ECUX1H104KBV ECUX1H104KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 39P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1E104ZFV ECUX1H303KBV ECUX1H303KBV ECUX1H304KBV ECUX1H304KBV ECUX1H304KBV ECUX1H304KBV ECUX1H304KBV ECUX1H304KBV ECUX1H103KBV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3119	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR 10V 33U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3119 C3120	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	22 11 11 11 11 12 11 12 11 11 11 11	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3119 C3120 C3120 C3121,22	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 100P C.CAPACITOR CH 50V 100P C.CAPACITOR CH 50V 100P	22 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3119 C3120 C3120 C3121,22 C3123-26	ECUX1E105KBM ECST1CX1062 ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1E104ZFV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 16V 0.47U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U	2 2 2 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3119 C3120 C3121,22 C3123-26 C3127	ECUX1E105KBM ECST1CX1062 ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1E104ZFV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U	2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3119 C3120 C3121,22 C3123-26 C3127 C3128	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H104ZFV ECUX1H103KBV ECUX1H104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3119 C3120 C3120 C3127 C3128 C3129 C3129 C3130	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3118 C3119 C3120 C3121,22 C3123-26 C3127 C3128 C3129 C3130 C3131	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3120 C3120 C3121,22 C3123-26 C3127 C3128 C3129 C3130 C3131 C3131 C3131	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3119 C3120 C3120 C3127 C3128 C3127 C3128 C3129 C3130 C3131 C3132 C3131 C3132 C3133	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H104KBV ECUX1H104KBV ECUX1H104KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3120 C3120 C3122 C3123-26 C3127 C3128 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3133	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H680JCV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1C106VBP ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3119 C3120 C3120 C3127 C3128 C3127 C3128 C3129 C3130 C3131 C3131 C3132 C3133	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H104KBV ECUX1H104KBV ECUX1H104KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.1U C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1	F1H1H102A009
C3101,02 C3103,04 C3105 C3106 C3107 C3108 C3109 C3110,11 C3112 C3113 C3114,15 C3116 C3118 C3120 C3120 C3122 C3123-26 C3127 C3128 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3131 C3133	ECUX1E105KBM ECST1CX106Z ECUX1H103KBV EEVHB1A330 ECUX1H103KBV ECUX1H680JCV ECUX1H103KBV ECUX1H103KBV ECUX1H102KBV ECUX1H102KBV ECUX1H102KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1C106VBP ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV ECUX1E104ZFV ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U E.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 0.00P C.CAPACITOR CH 50V 0.01U	2 2 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1	F1H1H102A009

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3136			1	
C3137 C3138	ECST1CX106Z ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U	1	
C3139	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	1	
C3140,41	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3142	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3143		C.CAPACITOR CH 50V 0.01U	1	
C3144 C3145		C.CAPACITOR CH 50V 33P C.CAPACITOR CH 50V 12P	1	
C3145	ECUX1H1203CV		1	
C3147		C.CAPACITOR CH 50V 0.01U	1	
C3148	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3149	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3150	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	
C3151 C3152	ECUX1H100DCV ECUX1H080DCV		1	
C3154	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3155,56		C.CAPACITOR CH 50V 0.01U	2	
C3158	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3161-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3165-67	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
C3168,69		C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 16V 1U	1	
C3201 C3202,03	ECUX1H103KBV		2	
C3204	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3205	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3206	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3207	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	1	
C3208,09	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3210 C3211	EEVHB1C470 ECUX1H080DCV	E.CAPACITOR 16V 47U C.CAPACITOR CH 50V 8P	1	
C3211		C.CAPACITOR CH 25V 0.1U	1	
C3214		C.CAPACITOR CH 50V 47P	1	
C3215	ECUX1H070DCV	C.CAPACITOR CH 50V 7P	1	
C3216,17	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3218	ECUX1H820JCV		1	
C3219 C3230	ECUX1H103KBV		1	
C3230	ECUX1E104ZFV ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3232,33	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3234,35	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3236-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3239,40	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3241	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3242-44 C3245	ECUX1E104ZFV EEVHB1C100	C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 10U	1	
C3246	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3247,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3249	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3260,61	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3262	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3263-70		C.CAPACITOR CH 25V 0.1U	8	
C3301 C3302	ECUM1C105ZFN EEVHB1C100	C.CAPACITOR CH 16V 1U E.CAPACITOR 16V 10U	1	
C3303,04	EEVHB1C220	E.CAPACITOR 16V 22U	2	
C3305	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3306-12		C.CAPACITOR CH 25V 0.1U	7	
C3313		C.CAPACITOR CH 50V 0.01U	1	
C3315		C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	1	
C3316 C3320		C.CAPACITOR CH 50V 0.01U	1	
C3321		C.CAPACITOR CH 50V 0.01U	1	
C3322		C.CAPACITOR CH 50V 47P	1	
C3323	ECUX1H080DCV		1	
C3324		C.CAPACITOR CH 50V 47P	1	
C3325,26	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3327,28 C3360		C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1	
C3361	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3362-68		C.CAPACITOR CH 25V 0.1U	7	
C3401	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3402		C.CAPACITOR CH 50V 1000P	1	
C3403	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3404 C3405,06	ECUX1E104KBN ECST1CX106Z	C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 16V 10U	2	
03403,00	200110X100Z	T.O.A. AOTTON OFF 100	-	
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Ref.No.	Part No.	Part Name & Description C.CAPACITOR CH 25V 0.1U	Pcs	Remarks
C3410.11	ļ	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	2	
C3410,11 C3412-14	ECUX1H103KBV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 25V 0.1U	3	
C3412-14 C3415	EEVHB0J330	E.CAPACITOR CH 25V 0.10	1	
C3415	ECUX1E104ZFV	C.CAPACITOR 6.3V 330	1	
C3416	ECST1CX106Z		1	
	ECUX1H103KBV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 0.01U	1	
C3418 C3419	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
			+-	
C3420	ECUX1H103KBV ECUX1H221JCV	C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 220P	1	
C3421			1	
C3422	ECUX1H390JCV	C.CAPACITOR CH 50V 39P	1	
C3423,24	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3425	ļ	C.CAPACITOR CH 25V 0.1U	1	
C3426		C.CAPACITOR CH 50V 2200P	1	
C3427	+	C.CAPACITOR CH 50V 470P	1	
C3428		C.CAPACITOR CH 25V 0.1U	1	
C3429		C.CAPACITOR CH 50V 0.01U	1	
C3430	+	C.CAPACITOR CH 50V 2200P	1	
C3431		C.CAPACITOR CH 50V 22P	1	
C3432		C.CAPACITOR CH 25V 0.1U	1	
C3433	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3434	ECUX1H100DCV	C.CAPACITOR CH 50V 10P	1	
C3436,37	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3438	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	
C3439	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3440	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3444	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3445	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3446-50	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	5	
C3480-82	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3501-03	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3520-22	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3523-25	ECST1CX106Z	T.CAPACITOR CH 16V 10U	3	
C3526,27	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3529,30	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3532	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	
C3533	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3534	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3535	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3536	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3537	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3538	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3540	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3541	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3542	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3543-53	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	11	
C3570-77	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	8	
C3601		C.CAPACITOR CH 50V 100P	1	
C3603		C.CAPACITOR CH 16V 0.47U	1	
C3606		C.CAPACITOR CH 50V 1000P	1	
C3607,08	+	C.CAPACITOR CH 25V 0.1U	2	
C3610,11	+	C.CAPACITOR CH 25V 0.1U	2	
C3612	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3612	_00110A100Z		+	
	FCUX1H101 ICV			
C3614	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3614	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3615	ECUX1H103KBV EEVHB0J330	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U	1	
C3615 C3616	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U	1 1	
C3615 C3616 C3617,18	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U	1 1 1 2	
C3615 C3616 C3617,18 C3619	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P	1 1 1 2	
C3615 C3616 C3617,18 C3619 C3620,21	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U	1 1 1 2 1 2	
C3615 C3616 C3617,18 C3619 C3620,21 C3622	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 16V 10U	1 1 1 2 1 2	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 2 1 2 1 6	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 100P C.CAPACITOR CH 50V 0.1U T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	1 1 1 2 1 2 1 6 3	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102LFV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 100P C.CAPACITOR CH 50V 10U T.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P	1 1 1 2 1 2 1 6 3	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103JCV ECUX1H102JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U	1 1 1 2 1 2 1 6 3 1 1 3	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 12 21 12 22 11 66 33 33 32	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3659	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H103JCV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 330P	1 1 1 1 2 1 1 6 3 3 1 1 3 2 1	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1H102JCV ECUX1H331JCV ECUX1H331JCV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 55V 0.1U T.CAPACITOR CH 55V 0.1U T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 25V 0.1U	11 11 11 22 11 66 33 11 33 22 11	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3659	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECST1CX106Z ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1H102JCV ECUX1H331JCV ECUX1H331JCV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 330P	11 11 12 11 22 11 66 33 11 33 22 11 33	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3659 C3660-62	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1E104ZFV ECST1CX1062 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1H20JCV ECUX1H20JCV ECUX1H331JCV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 55V 0.1U T.CAPACITOR CH 55V 0.1U T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 25V 0.1U	11 11 11 22 11 66 33 11 33 22 11	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653-56 C3657,58 C3659 C3660-62 C3663	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1H102JCV ECST1CX1062 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1H331JCV ECUX1E104ZFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.1U T.CAPACITOR CH 50V 0.1U T.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 50V 1500P	11 11 12 11 22 11 66 33 11 33 22 11 33	
C3615 C3616 C3617,18 C3619 C3620,21 C3620,22 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3664-65 C3663 C3664,65	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1H102JCV ECST1CX1062 ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1H331JCV ECUX1E104ZFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV ECUX1H102JFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1300P C.CAPACITOR CH 50V 330P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 12 12 14 66 33 11 33 22 11 33 11 22	
C3615 C3616 C3617,18 C3619 C3620,21 C3620,22 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3660-62 C3663 C3664,65 C3666,67	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H103KBV ECUX1H102JCV ECST1CX106Z ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H33JCV ECUX1E104ZFV ECUX1H152KBV ECUX1H152KBV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 50V 1000P	11 11 11 22 11 66 33 11 33 22 13 33 14 22 22	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3660-62 C3660,62 C3668,67 C3668	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H103LFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1H102JCV ECUX1H102JCV ECUX1E104ZFV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 47P C.CAPACITOR CH 50V 30P C.CAPACITOR CH 50V 30P C.CAPACITOR CH 55V 0.1U C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	11 11 11 22 11 66 33 11 33 11 33 11 22 22 11	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3659 C3660-62 C3666,67 C3668 C3668	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103JCV ECUX1H102JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H102JCV ECUX1E104ZFV ECUX1H103JCV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 10U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P	11 11 11 12 22 11 66 33 11 33 22 11 12 22 11 11 11 11 11 11 11 11 11	
C3615 C3616 C3617,18 C3619 C3620,21 C3622 C3623-28 C3650-52 C3653 C3654-56 C3657,58 C3659 C3660-62 C3663 C3666,67 C3668 C3669 C3669 C3670	ECUX1H103KBV EEVHB0J330 ECUX1E104ZFV ECUX1H103KBV ECUX1H102JCV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1E104ZFV ECUX1H102JCV ECUX1H103JCV ECUX1H103JCV ECUX1E104ZFV ECUX1H103JCV ECUX1E104ZFV ECUX1H103JCV ECUX1E104ZFV ECUX1H103JCV ECUX1H103JCV ECUX1H103JCV ECUX1H103JCV ECUX1H103JCV ECUX1H103JCV ECUX1H103JCV	C.CAPACITOR CH 50V 0.01U E.CAPACITOR 6.3V 33U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 0.01U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1.0U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1500P C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 11U C.CAPACITOR CH 50V 1000P C.CAPACITOR CH 50V 17P C.CAPACITOR CH 50V 12P	11 11 12 22 11 66 33 11 33 22 11 33 11 22 11 11 11 11 11 11 11 11 11 11 11	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3672	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3673	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	
C3674	EEVHP1H1R0	E.CAPACITOR 50V 1U	1	
C3675	ECUV1H470JCV	C.CAPACITOR CH 50V 47P	1	
C3676	ECUX1H060DCV	C.CAPACITOR CH 50V 6P	1	
C3677 C3678,79	ECUX1E104ZFV EEVHB0J330	C.CAPACITOR CH 25V 0.1U E.CAPACITOR 6.3V 33U	1	
C3680,81		C.CAPACITOR CH 25V 0.1U	2	
C3701	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3703	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3705	ECUM1C474KBN	C.CAPACITOR CH 16V 0.47U	1	
C3710	ECUX1H102JCV	C.CAPACITOR CH 50V 1000P	1	
C3711		C.CAPACITOR CH 25V 0.1U	1	
C3712		C.CAPACITOR CH 50V 1000P	1	
C3713 C3715,16		C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	2	
C3719-21		C.CAPACITOR CH 25V 0.1U	3	
C3722	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3723		C.CAPACITOR CH 25V 0.1U	1	
C3724	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	
C3725,26	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3727,28	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3729,30	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	2	
C3731,32		C.CAPACITOR CH 25V 0.1U	2	
C3733 C3734,35	ECST1CX106Z ECUX1E104ZFV	T.CAPACITOR CH 16V 10U C.CAPACITOR CH 25V 0.1U	1	
C3734,35 C3736		C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 16V 1U	1	
C3737	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3801	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3802-04	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	3	
C3805-07	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3808	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	
C3809-11	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3850-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3853,54	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3855-68 C3950	ECUX1E104ZFV ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U C.CAPACITOR CH 25V 0.1U	14	
C3951,52	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3953		C.CAPACITOR CH 10V 1U	1	
C3954,55	ECST1CX106Z	T.CAPACITOR CH 16V 10U	2	
C3956-58	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	3	
C3959	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3960	EEVHB1H4R7	E.CAPACITOR 50V 4.7U	1	
C3961	ECHU1C392J	P.CAPACITOR 16V 3900P	1	
C3962 C3963	ECUMALISSINEN	C.CAPACITOR CH 50V 820P C.CAPACITOR CH 50V 2200P	1	
C3964	ECHU1C152J	P.CAPACITOR CH 50V 2200F	1	
C3965	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3966		C.CAPACITOR CH 25V 0.1U	1	
C3967	ECUM1C334KBN	C.CAPACITOR CH 16V 0.33U	1	
C3968	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3969		P.CAPACITOR 16V 0.068U	1	
C3970	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3971	ECUX1H561JCV	C.CAPACITOR CH 50V 560P	1	
C3972-75	ECUX1E104ZFV ECST1CX106Z	C.CAPACITOR CH 25V 0.1U T.CAPACITOR CH 16V 10U	2	
C3976,77 C3978		T.CAPACITOR CH 16V 10U C.CAPACITOR CH 50V 220P	1	
C3979	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	
C3980	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
D3201	MA142WK	DIODE	1	
D3230	MA736	DIODE	1	
D3401	MA142K	DIODE	1	
D3520	MA143WK	DIODE	1	
D3650 D3651	MA142WK MA335-R	DIODE	1	
D3651	MA152WA	DIODE	1	
D3701-04	MA142K	DIODE	4	
D3950	M1MA152K	DIODE	1	
D3951	MA142K	DIODE	1	
D3952,53	MA700A	DIODE	2	MA2C700A
	-		L	
FL3101	VLF1015	FILTER	1	
FL3201	VLF1353	FILTER	1	
FL3230	VLF1016A223	FILTER	1	
			1	

	Part No.	Part Name & Description	Pcs	Remarks
EI 3401 02	VLF1355	FILTER	2	
1 L3401,02	VLF0941C223	FILTER	2	
	VLF0941C223	FILTER	1	
FL3650,51	VLF0941C223	FILTER	2	
	VLQ0415	COIL	1	G2A8R0C00003
FL3850,51	VLF0941C223	FILTER	2	
IC3101	TC7W04FU	IC	1	
	CXD2024AQ	IC IC	1	C1AB00000468
	AD817AR	IC IC	1	C0ABAB000062
	AN77L05M	IC	1	COADADOOOOZ
	CXD1176Q	IC	1	
	AN77L05M	IC	2	
	XC62DN5002P	IC	1	
	TC7W125FU	IC	1	
	TC7S04FU	IC	1	
IC3201	NJM78L09UA	IC	1	C0CBAHC00002
IC3202	MC14053BDT	IC	1	
	AN91A12S	IC	1	
	AN79N05	IC	1	
	AN77L05M	IC	1	
	TVHC244FT	IC	1	
	PZ5128S10BP	IC	1	
	TVHT244FT	IC	3	
	NJM78L09UA	IC	1	C0CBAHC00002
	NJM1496V	IC	2	
IC3360	PZ5128S10BP	IC	1	
	MM74HC221AM	IC	1	C0JBAM000078
	TC7W04FU	IC	1	
IC3403	DM74LS221SJ	IC	1	
IC3405	UPD65013BC16	IC	1	C1ZBZ0001325
IC3406	TC7S00FU	IC	1	
IC3407	NJM319V	IC	1	
IC3408	TC7W04FU	IC	1	
IC3409	NJM082BV	IC	1	
IC3410	MC14053BDT	IC	1	
IC3411	NJM064V	IC	1	
IC3412	XC62AP5002P	IC	1	
IC3480,81	TLCX574FT	IC	2	
IC3482	TVHC574FT	IC	1	
IC3501	MN53015VZW	IC	1	
IC3502	C0JBAA000099	IC	1	
IC3520-22	AN77L05M	IC	3	
IC3523	AN79N05	IC	1	
IC3524	XC62DN5002P	IC	1	
IC3526	DM74LS123SJ	IC	1	
IC3527	MC74HC125AF	IC	1	
IC3528	PZ5128S10BP	IC	1	
IC3529	NJM082BV	IC	1	
IC3530	74F244SJ	IC	1	
	TVHC244FT	IC	1	
	74F163ASJ	IC	1	C0JBCK000022
	TVHC244FT	IC	2	
	TVHC367FT	IC	1	
IC3571	PZ3128S10BP	IC	1	
	LT1228CS8	IC	1	
	AN77L05M	IC	1	
	CXD1176Q	IC	1	
	TVHC541FT	IC	1	
	MC74HC163AF	IC	1	
	TC7W74FU	IC	1	
	NJM4556AM	IC	1	
	TC7S04FU	IC	1	
	TVHC00FT	IC	1	
IC3650	C0JBAZ000514	IC	1	
IC3650 IC3651			1	
IC3650 IC3651 IC3652	TVHC74FT	IC	_	
IC3650 IC3651 IC3652 IC3653	TVHC74FT NJM082BV	IC	1	
IC3650 IC3651 IC3652 IC3653 IC3654	TVHC74FT NJM082BV TC4W53FU	IC IC	1	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ	IC IC IC	1 1	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655 IC3656	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ TVHC244FT	IC IC IC	1 1 1	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655 IC3656 IC3657	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ TVHC244FT DM74LS221SJ	IC IC IC IC	1 1 1 1	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655 IC3656 IC3657 IC3701,02	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ TVHC244FT DM74LS221SJ LT1228CS8	IC IC IC IC IC	1 1 1 1 1 2	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655 IC3656 IC3657 IC3701,02 IC3703,04	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ TVHC244FT DM74LS221SJ LT1228CS8 AN77L05M	IC IC IC IC IC IC	1 1 1 1 1 2 2	
IC3650 IC3651 IC3652 IC3653 IC3654 IC3655 IC3656 IC3657 IC3701,02 IC3703,04 IC3705,06	TVHC74FT NJM082BV TC4W53FU DM74LS221SJ TVHC244FT DM74LS221SJ LT1228CS8	IC IC IC IC IC	1 1 1 1 1 2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3709	NJM78L09UA	IC	1	C0CBAHC00002
IC3801	TC7S32FU	IC	1	
IC3802	TVHT244FT	IC	1	
IC3803	XC62AP3002P	IC	1	0.555555555
IC3804	M62370GP	IC	1	C0FBBD000082
IC3851 IC3852	MN47V78SP T160G70-1601	IC IC	1	
IC3853	TVHC04FT	IC	1	
IC3854	MN47V78SP	IC	1	
IC3855	TVHT08FT	IC	1	
IC3856,57	TC7SH04FU	IC	2	
IC3858	TC7SH00FU	IC	1	
IC3950	XC62AP5002P	IC IC	1	
IC3951 IC3952	AN3296S TC7S08F	IC IC	1	C0JBAA000095
IC3953	AN77L05M	IC	1	0002711000000
IC3954	XC62DN5002P	IC	1	
IC3955	MM74HC221AM	IC	1	C0JBAM000078
ID1	VVVSI3426	IC	1	
J3950,51	VJP3461	CONNECTOR (MALE)	2	K1QZA1BA0001
10,00000	-01 0 -1 01	OS. TITLOTOR (IVIALL)		42/110/10001
L3101	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3103	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3105	VLQ0319K470	COIL 47UH	-	G1C470K00013
L3106,07	VLQ0319K101	COIL 100UH	2	
L3108	VLQ0426J180	COIL 18UH	1	
L3109	VLQ0426J220	COIL 22UH	-	G1C220J00007
L3110 L3111	VLQ0426J180 VLQ0426J220	COIL 18UH COIL 22UH		G1C180J00003 G1C220J00007
L3111	VLQ0426J220 VLQ0133J471	COIL 220H	-	G1C471J00001
L3230-33	VLP0133	COIL	4	010471800001
L3301,02	VLQ0319K101	COIL 100UH	2	G1C101K00022
L3401-03	VLQ0319K101	COIL 100UH	3	G1C101K00022
L3404	VLQ0426J470	COIL 47UH	1	G1C470J00007
L3405	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3520-22	VLQ0319K470	COIL 47UH	3	G1C470K00013
L3602	VLQ0319K101	COIL 100UH	1	G1C101K00022
L3650	VLQ0163J3R3	COIL 3.3UH	1	
L3950,51	VLQ0319K101	COIL 100UH	2	G1C101K00022
D2220	V ID2000 4 000	CONNECTOR (MALE)	_	K4K40C400027
P3230 P3233	VJP2899A096 VJP3125B007	CONNECTOR (MALE) CONNECTOR (MALE)	1	K1KA96A00037
1 3233	V3F 3123B007	CONNECTOR (WALL)	F.	
Q3101	XN4601	TRANSISTOR-RESISTOR	1	
Q3102	2SC3930-B	TRANSISTOR	1	
Q3103,04	2SD1819A-R	TRANSISTOR	2	
Q3105	2SB1218A-R	TRANSISTOR	1	
Q3201	2SD1819A-R	TRANSISTOR	1	
Q3202	2SA1532-B	TRANSISTOR	1	
Q3203,04	2SD1819A-R	TRANSISTOR	2	
Q3301,02	2SD1819A-R	TRANSISTOR	2	
Q3307,08	2SA1532-B 2SD1819A-R	TRANSISTOR	2	
Q3309,10 Q3401	2SD1819A-R 2SC3931-C	TRANSISTOR TRANSISTOR	1	
Q3401 Q3402	2SD1819A-R	TRANSISTOR	1	
Q3601	2SA1532-B	TRANSISTOR	1	
Q3602	2SD1979	TRANSISTOR	1	
Q3650	2SC3938-R	TRANSISTOR	1	
Q3651,52	2SA1532-B	TRANSISTOR	2	
Q3653	2SC3938-R	TRANSISTOR	1	
Q3701	2SA1532-B	TRANSISTOR	1	
Q3702	2SD1819A-R	TRANSISTOR	1	
Q3950 Q3951	XN4501	TRANSISTOR-RESISTOR	1	
Q3951 Q3952,53	2SB1218A-R 2SD1819A-R	TRANSISTOR TRANSISTOR	2	
QJ3JZ,JJ	200 10 19A-N		2	
R3101	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3102	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3103	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3104	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3106	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3108	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3109	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
		<u> </u>		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3115	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3118	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3120	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3121-23	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3126	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3127	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	
R3128	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3129	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3130	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3131	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3132	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3133	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3134	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3135	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3136	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3140	VRE006610102	M.RESISTOR CH 1/10W 1K	1	D0YD102JA007
R3141	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3142	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3143	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3144	ERJ6RBD221	M.RESISTOR CH 1/10W 220	1	
R3145	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3146	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3146	ERJ6RBD221	M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/10W 220	1	
R3147	ERJ3GEYJ750	M.RESISTOR CH 1/16W 220 M.RESISTOR CH 1/16W 75	1	
			+ -	
	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3153	ERJ3RBD182	M.RESISTOR CH 1/16W 1.8K	1	
R3154	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3155	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3157	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3158	ERJ3GEYJ182	M.RESISTOR CH 1/16W 1.8K	1	
R3159	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3160,61	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3162,63	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	2	
R3164	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3165	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3166	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3169	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3170	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3178	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3187	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3191	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3201	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3203	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3207	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3209	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3210	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3211	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3212	ERJ3GEYG152	M.RESISTOR CH 1/16W 4/ M.RESISTOR CH 1/16W 1.5K	1	
R3213	ERJ3GEYJ681	M.RESISTOR CH 1/16W 1.5K	1	
	ERJ3GEYJ224	M.RESISTOR CH 1/16W 680 M.RESISTOR CH 1/16W 220K	+	
R3215			1	
	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3217-19	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	
	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3222	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	l
R3223				
R3223 R3224	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3223 R3224 R3225	ERJ3GEYJ222 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0	1	
R3223 R3224	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	+-	
R3223 R3224 R3225	ERJ3GEYJ222 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0	1	
R3223 R3224 R3225 R3230 R3231-34	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0	1	
R3223 R3224 R3225 R3230 R3231-34	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEYGR00 ERJ3GEYG102	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K	1 1 4	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K	1 1 4	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0	1 1 4 1 5	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40 R3260-62 R3263-85	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332 ERJ3GEY0R00 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0	1 1 4 1 5	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40 R3260-62 R3263-85	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332 ERJ3GEY0R00 ERJ3GEYJ101	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 100	1 1 4 1 5 3 23	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40 R3260-62 R3263-85 R3301	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ101 ERJ3GEYJ103	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 10 M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 10K M.RESISTOR CH 1/16W 0	1 1 4 1 5 3 23	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40 R3260-62 R3263-85 R3301 R3302,03	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEYG332 ERJ3GEY0R00 ERJ3GEYJ101 ERJ3GEYJ103 ERJ3GEYJ103 ERJ3GEY0R00	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 10 M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 10K	1 1 4 1 5 3 23 1 2	
R3223 R3224 R3225 R3230 R3231-34 R3235 R3236-40 R3260-62 R3263-85 R3301 R3302,03 R3304	ERJ3GEYJ222 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYG102 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ101 ERJ3GEYJ103 ERJ3GEYJ103 ERJ3GEYJ1022	M.RESISTOR CH 1/16W 2.2K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 3.3K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 10 M.RESISTOR CH 1/16W 100 M.RESISTOR CH 1/16W 10K M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 0 M.RESISTOR CH 1/16W 2.7K	1 1 4 1 5 3 23 1 2 1	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3309	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
			1	
R3310	ERJ3RBD102		+ -	
R3311	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	1	
R3312	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3313	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
	ERJ3RBD821		+	
R3314		M.RESISTOR CH 1/16W 820	1	
R3315,16	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3317	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	
R3318,19	ERJ3RBD101	M.RESISTOR CH 1/16W 100	2	
R3321	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3323			+	
	ERJ3GEY0R00		1	
R3325	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3327	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3338-43	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	6	
R3344	ERJ3GEYJ391	M.RESISTOR CH 1/16W 390	1	
R3345,46	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
1			+	
R3347	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	1	
R3348	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3349	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3350	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
			+	
R3351	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3360-62	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3363-68	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	6	
R3401,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3403	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
			+	
R3404	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3405	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3406	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3408	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
			+ -	
R3409	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	
R3410,11	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3412	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3414	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3415	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
1			+ -	
R3416	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3417	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3418	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3419	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
			+	
R3420	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3421	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3422	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3423	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	
R3424	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
			1	
R3425	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3426	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3427	ERJ3RBD101	M.RESISTOR CH 1/16W 100	1	
R3429	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3430	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
1			+ -	
R3431	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3432	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3433,34	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3435,36	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
1			1	
R3440,41	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	2	
R3443	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3444	ERJ3GEYJ334	M.RESISTOR CH 1/16W 330K	1	
R3445	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3447	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3451	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
1			+ -	
R3453	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R3454,55	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3456-58	ERJ3GEYG152	M.RESISTOR CH 1/16W 1.5K	3	
R3460	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3461	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
			+	
R3462	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3463	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3464	ERJ3GEYJ563	M.RESISTOR CH 1/16W 56K	1	
R3465	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3466	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
			+	
R3480	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3481-88	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	8	
R3501,02	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3504	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
1			1	
R3506	ERJ3GEY0R00		+-	
R3507,08	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3509,10	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	2	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3511	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3520	ERJ6RED394	M.RESISTOR CH 1/10W 390K	1	
R3523	ERJ3GEYG471	M.RESISTOR CH 1/16W 470	1	
R3524	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3525,26	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3527	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3528	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	
R3529,30	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3532	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3533	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3534-37	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	4	
R3538-47	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	10	
R3550	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R3553,54	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3570	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3572	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3573	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3577-81	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	
R3601	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3603,04	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R3608	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3610	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3612	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	
R3613	ERJ3RBD102	M.RESISTOR CH 1/16W 220	1	
R3614	ERJ3GEYJ222	M.RESISTOR CH 1/16W 1K M.RESISTOR CH 1/16W 2.2K	1	
			H-	
R3616	ERJ3RED750	M.RESISTOR CH 1/16W 75	1	
R3617	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3620,21	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3622-29	ERJ3RBD101	M.RESISTOR CH 1/16W 100	8	
R3630	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	
R3631	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	
R3632	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3633	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3634	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3650	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3651	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3653	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R3654	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	1	
R3655	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3656	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3657	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3658	ERJ3GEYG332	M.RESISTOR CH 1/16W 3.3K	1	
R3659	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3660	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	
R3661	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3662	ERJ3GEYJ681	M.RESISTOR CH 1/16W 680	1	
R3664	ERJ3RBD472	M.RESISTOR CH 1/16W 4.7K	1	
R3665,66	ERJ3RBD222	M.RESISTOR CH 1/16W 2.2K	2	
R3667	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3668	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3671,72	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R3673	ERJ3RBD103	M.RESISTOR CH 1/16W 3.9K	1	
R3674	ERJ3GEYJ562	M.RESISTOR CH 1/16W 10K	1	
R3675	ERJ3GEYJ104	M.RESISTOR CH 1/16W 5.6K	1	
R3676	ERJ3GEYJ104 ERJ3GEYJ103	M.RESISTOR CH 1/16W 100K M.RESISTOR CH 1/16W 10K	1	
	ERJ3GEYJ103 ERJ3GEYG152	M.RESISTOR CH 1/16W 10K M.RESISTOR CH 1/16W 1.5K	-	
R3677	ERJ3GEYG152 ERJ3GEYG332		1	
R3679		M.RESISTOR CH 1/16W 3.3K	1	
R3680,81	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	2	
R3682	ERJ3RBD223	M.RESISTOR CH 1/16W 22K	1	
R3683	ERJ3RBD682	M.RESISTOR CH 1/16W 6.8K	1	
R3684	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	
R3685,86	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	2	
R3701	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3703,04	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	2	
R3711	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3712,13	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3716,17	ERJ3RBD221	M.RESISTOR CH 1/16W 220	2	
R3718,19	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3722,23	ERJ3GEYG822	M.RESISTOR CH 1/16W 8.2K	2	
R3724,25	ERJ3GEYJ750	M.RESISTOR CH 1/16W 75	2	
R3726,27	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	
R3728,29	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	
R3730,31	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	
R3732	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3733	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3734-49	ERJ3RBD101	M.RESISTOR CH 1/16W 100	16	
R3803-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R3807-09	ERJ3RBD101	M.RESISTOR CH 1/16W 100	3	
R3810	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3811-14	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	
R3815-18	ERJ3RBD101	M.RESISTOR CH 1/16W 100	4	
R3820	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3850	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3851-53	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3857-59	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	
R3862	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3864-68	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	5	
R3872,73	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	
R3874-77	ERDS2TJ332	C.RESISTOR 1/4W 3.3K	4	
R3878,79	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	2	
R3880,81	ERJ3GEYJ470	M.RESISTOR CH 1/16W 4.7K	2	
R3950	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
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R3951	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	
R3952	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3953	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	
R3954	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	
R3955	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	
R3956	ERJ3GEYG472	M.RESISTOR CH 1/16W 4.7K	1	
R3957	ERJ3GEYG102	M.RESISTOR CH 1/16W 1K	1	
R3958	ERJ3GEYJ683	M.RESISTOR CH 1/16W 68K	1	
R3959	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	
R3960	ERJ3GEYJ100	M.RESISTOR CH 1/16W 10	1	
R3961	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R3962	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	
R3963	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
			1	
R3964	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	1	
R3965	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	
R3966	ERJ3GEYJ753	M.RESISTOR CH 1/16W 75K	1	
R3967	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3968	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3969	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	
R3970	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	
R3971	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	
R3972	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3974	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3976	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	
R3977	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
R3978,79	ERJ3GEYG682	M.RESISTOR CH 1/16W 6.8K	2	
R3980	ERJ3GEYJ470	M.RESISTOR CH 1/16W 47	1	
110000	ENGOGE 10470	MIREGIOTOR OIT 1/1000 47	H ·	
TG3101	EVECCU	TEST POINT	Η,	
	EYF6CU		1	
TG3301	EYF6CU	TEST POINT	1	
TG3402	EYF6CU	TEST POINT	1	
TG3524	EYF6CU	TEST POINT	1	
TG3650	EYF6CU	TEST POINT	1	
TG3858	EYF6CU	TEST POINT	1	
TG3950	EYF6CU	TEST POINT	1	
TP3201	EYF6CU	TEST POINT	1	
TP3401	EYF6CU	TEST POINT	1	
TP3403-07	EYF6CU	TEST POINT	5	
TP3501	EYF6CU	TEST POINT	1	
TP3520-23	EYF6CU	TEST POINT	4	
TP3601	EYF6CU	TEST POINT	1	
TP3651.52	EYF6CU	TEST POINT	2	
	EYF6CU		2	
TP3701,02		TEST POINT	+	
TP3850-57	EYF6CU	TEST POINT	8	
\ (m.e. : - :	=	W. D. F. O. F. C. C. C. C. C. C. C. C. C. C. C. C. C.	1	
VR3102	EVM7JGA00B14		1	
VR3301,02	EVM7JGA00B23		2	
VR3303,04	EVM7JGA00B13	V.RESISTOR 1K	2	
VR3401	EVM7JGA00B14	V.RESISTOR 10K	1	
VR3402	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3403	EVM7JGA00B53	V.RESISTOR 5K	1	
VR3404	EVM7JGA00B13	V.RESISTOR 1K	1	
VR3602	EVM7JGA00B53		1	
VR3651	EVM7JGA00B23		1	
VR3703,04	EVM7JGA00B53	V.RESISTOR 5K	2	
	00, 00000		f	
V1	VSY0789	CDVSTAL OSCILLATOR	4	H1C2705B0006 EOD \/ED622224
X1	VSX0788	CRYSTAL OSCILLATOR	1	H1C2705B0006 FOR VEP63233A
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Ref.No.	Part No.	Part Name & Description	Pcs	
X3401	VSX0338	CRYSTAL OSCILLATOR	1	H1C1435A0002
			1	
		MISCELLANEOUS		
	====:	0.0000000000000000000000000000000000000	1	
	ERDS2T0	C.RESISTOR 1/4W 0	4	
	VMS2875	PIN	4	K9ZZ00000667
			-	
	-		-	
			-	
			-	
E12	VEP63232A	COLOR FRAME P.C.BOARD	4	(RTL)
- L 1 L	. 21 00202A	OSESICI TOMBLE F.O.BOARD	+ '	···-/
			1	
P3001,02	VJP1930T	CONNECTOR (MALE)	2	K1KA15B00021
P3003	VJP2824B008	CONNECTOR (MALE)	+	K1KA08B00004
P3004	VJP2824B009	CONNECTOR (MALE)	1	K1KA09B00016
P3005	VJP2824B008	CONNECTOR (MALE)	1	K1KA08B00004
P3006	VJP2824B009	CONNECTOR (MALE)	1	K1KA09B00016
P3007	VJS3814	CONNECTOR (FEMALE)	1	K1KB96A00037
			-	
- F	\/ED02:07:	DAID D O DC : 22	1	(DTL)
E13	VEP66437A	RAID P.C.BOARD	1	(RTL)
			-	
23004	ECHY4H400 IOV	C.CAPACITOR CH 50V 18P	-	
C3001 C3002-04		C.CAPACITOR CH 50V 18P	3	
C3006	EEVHB1C100	E.CAPACITOR CH 25V 0.10	1	
C3007-13		C.CAPACITOR 16V 10U	7	
C3014	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3015-20		C.CAPACITOR CH 25V 0.1U	6	
C3021	EEVHB1C100	E.CAPACITOR 16V 10U	1	
C3022,23	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3024	EEVHB0J220	E.CAPACITOR 6.3V 22U	1	
C3025	+	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3026-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3039,40	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3041,42	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3043-46	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3047	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3048-51	EEVHB1E4R7	E.CAPACITOR 25V 4.7U	4	
C3052		C.CAPACITOR CH 25V 0.1U	1	
23053,54	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
23055-64		C.CAPACITOR CH 25V 0.1U	10	
23065	EEVHB0J330	E.CAPACITOR 6.3V 33U	7	
C3066-72			_	
C3073	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3074 C3075	ECUX1E104ZFV EEVHB1C100	C.CAPACITOR CH 25V 0.1U E.CAPACITOR 16V 10U	1	
C3076	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3077-79	EEVHB0J470	E.CAPACITOR 6.3V 47U	3	
C3080-82	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	
C3083-95	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	13	
C3096-01	EEVHB0J330	E.CAPACITOR 6.3V 33U	6	
C3102	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3103-05	EEVHB0J330	E.CAPACITOR 6.3V 33U	3	
C3106-37	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	32	
C3138-43	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	6	
C3144-49	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	6	
C3150-62	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	13	
C3163	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3164-77	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	14	
C3178	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C3179,80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3181	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3182		C.CAPACITOR CH 25V 0.1U	1	
C3183			1	
23184		C.CAPACITOR CH 50V 0.01U	1	
23185-88	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	4	
C3189-95	ECUX1H103KBV		7 6	
2106.04	TECHNAMA TO C		· h	
C3196-01 C3202-14	ECUX1H471JCV ECUX1H103KBV	C.CAPACITOR CH 50V 470P C.CAPACITOR CH 50V 0.01U	13	

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3215	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3216-28	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	13	
C3229	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	1	
C3230		C.CAPACITOR CH 25V 0.1U	1	
C3231		C.CAPACITOR CH 50V 0.01U	1	
C3232		C.CAPACITOR CH 25V 0.1U	1	
			+-	
C3233		C.CAPACITOR CH 50V 0.01U	1	
C3234		C.CAPACITOR CH 25V 0.1U	1	
C3235	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	
C3236	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3237-40	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	4	
C3241	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3242,43	EEVHB0J330	E.CAPACITOR 6.3V 33U	2	
C3244	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3245,46	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3247,48	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3249	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3250-64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3265	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3266-72	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3273		C.CAPACITOR CH 50V 0.01U	1	
C3274	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3274 C3275-77		C.CAPACITOR 6.3V 330	3	
			2	
C3278,79	EEVHB1C470		+	
C3280-83	1	C.CAPACITOR CH 25V 0.1U	4	
C3284,85	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3286-89		C.CAPACITOR CH 25V 0.1U	4	
C3290-93	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3294-98	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	5	
C3299	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3300	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3301	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3302	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3303	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3304	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3305	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3306	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3307		C.CAPACITOR CH 25V 0.1U	1	
	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3308			+	
C3309		C.CAPACITOR CH 25V 0.1U	1	
C3310	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3311		C.CAPACITOR CH 25V 0.1U	1	
C3312,13	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3314,15	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3316	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3317-31	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3332	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3333-39	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3340	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3341,42	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C3343-46		C.CAPACITOR CH 25V 0.1U	4	
C3347,48		E.CAPACITOR 16V 10U	2	
C3349-52		C.CAPACITOR CH 25V 0.1U	4	
C3353-56		E.CAPACITOR CH 25V 0.10	4	
		C.CAPACITOR 16V 10U	4	
C3357-60			-	
C3361,62		E.CAPACITOR 16V 10U	2	
C3363,64		C.CAPACITOR CH 25V 0.1U	2	
C3365		C.CAPACITOR CH 50V 0.01U	1	
C3366-80		C.CAPACITOR CH 25V 0.1U	15	
C3381		C.CAPACITOR CH 50V 0.01U	1	
C3382-88		C.CAPACITOR CH 25V 0.1U	7	
C3389	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3390	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3391,92	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C3393-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3397,98	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3399-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3403-06	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3407-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3411,12	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3413,14		C.CAPACITOR CH 25V 0.1U	2	
C3415		C.CAPACITOR CH 50V 0.01U	1	
C3416-30		C.CAPACITOR CH 25V 0.1U	15	
C3431		C.CAPACITOR CH 50V 0.01U	1	
C3432-38		C.CAPACITOR CH 25V 0.1U	7	
20402-00	_00//1L104Z1*V	2.2711 7.31. 31K OIT 20V 0.10	+'	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3439	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3440	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3441,42	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C3443-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3447,48	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3449-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3453-56	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3457-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3461,62	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3463,64	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3465	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3466-80	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	15	
C3481	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3482-88	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3489	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3490	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3491,92	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C3493-96	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3497,98	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3499-02	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3503-06	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3507-10	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3511,12	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3511,12	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3515,14	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
	ECUX1F103KBV	C.CAPACITOR CH 50V 0.010	-	
C3516-30 C3531	ECUX1E104ZFV ECUX1H103KBV	C.CAPACITOR CH 25V 0.1U	15	
			+-	
C3532-38	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	7	
C3539	EEVHB0J330	E.CAPACITOR 6.3V 33U	1	
C3540	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	
C3541,42	EEVHB1C470	E.CAPACITOR 16V 47U	2	
C3543-46	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3547,48	EEVHB1C100	E.CAPACITOR 16V 10U	2	
C3549-52	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3553-56	EEVHB1C100	E.CAPACITOR 16V 10U	4	
C3557-60	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	4	
C3600,01	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3602	ECST1CY105Z	T.CAPACITOR CH 16V 1U	1	
C3603	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3604	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	F1H1H102A009
C3605,06	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	2	
C3700	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3701	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3702	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3703	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C3704	EEVHB1C470	E.CAPACITOR 16V 47U	1	
C3705	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3706	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	
C3707	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	
C3708	ECUX1E104ZFV	C.CAPACITOR CH 25V 0.1U	1	
C3709-18	ECUM1H122JN	C.CAPACITOR CH 50V 1200P	10	
C3719	ECUX1E104ZFV		1	
C3780-85		C.CAPACITOR CH 16V 10U	6	
			Ť	
D3001	LN1251CAL	DIODE	1	
D3003-11	LN1251CAL	DIODE	9	
D3012,13	MA157A	DIODE	2	
			ť	
FL3001	VLF1016A223	FILTER	1	
FL3001	VLF1016A223 VLF1016A472T	FILTER	14	
FL3002-13 FL3016	VLF1016A4721 VLF1016A223	FILTER	1	
1 2010	-LI 1010AZZ3		-	
IC3001	C2GBE0000001	IC	1	
	C0ZBZ0000386	IC IC	1	
IC3002	TVHC244FT	IC IC	2	
IC3003,04		IC	2	
IC3005,06	TVHC573FT		-	C0 IPP7000210
IC3007	LVTH244ADB	IC IC	-	C0JBBZ000219
IC3008	TVHC244FT	IC IC	1	COEDI DODOCCO
IC3009	C3FBLD000046	IC	+	C3FBLD000038
IC3010-14	TVHT245F	IC	5	
IC3015	TVHC273FT	IC	1	
IC3016	TVHC138FT	IC	1	
IC3017	TC7SH32FU	IC	1	
IC3019	TL16C554FN	IC	1	C1DB00000465
	COD ALICOCOCO A	IC	1	
IC3020	C3BAHC000024	10	_	
IC3020	C3BAHC000024			
IC3020	C3BAHC000024			

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3022	TVHC244FT	IC .	1	
IC3023.24	LT1181ACSW	IC	2	C9ZB00000035
IC3025	TC7W04FU	IC	1	
IC3026	EPF10K10TC3	IC	1	C0JBAZ001101
IC3027	C0JBAZ000527	IC	1	C0JBAZ000526
			1	C03BAZ000326
IC3028,29	C0ZBZ0000387	IC	2	
IC3030	C0JBAA000099	IC	1	
IC3031	C1DB00000473	IC	1	
IC3032	C3BBHG000036	IC	1	
IC3033	C0DBZZA00004	IC	1	
IC3037	C1DB00000472	IC	1	
IC3038	C3BBHG000036	IC	1	
IC3039	C0ZBZ0000386	IC	1	
IC3040-45	DS21T07E	IC	6	
IC3046	C1DB00000472	IC	1	
IC3047	C3BBHG000036	IC	1	
			-	
IC3048-53	DS21T07E	IC	6	
IC3054	C1DB00000472	IC	1	
IC3055	C3BBHG000036	IC	1	
IC3056-61	DS21T07E	IC	6	
IC3062	C1DB00000472	IC	1	
IC3063	C3BBHG000036	IC	1	
IC3064-69	DS21T07E	IC	6	
IC3070	C1DB00000472	IC	1	
IC3071	C3BBHG000036	IC	1	
IC3072-77	DS21T07E	IC	6	
IC3072-77	C1DB00000472	IC IC	1	
			H-	
IC3079	C3BBHG000036	IC	1	
IC3080-85	DS21T07E	IC	6	
IC3100	TL7705CPSB	IC	1	
IC3102	EPM7128STC15	IC	1	
IC3108	TL7705CPSB	IC	1	
IC3109	TC7W125FU	IC	1	
IC3701,02	XC62EP3302M	IC	2	
IC3703	TC7W125FU	IC	1	
			Ė	
IS3020,21	VJS3096632	IC SOCKET	2	K3E032C00034
			_	
IS3101	VJS3096308	CONNECTOR (FEMALE)	-	K3E008C00031
L3001,02	VLP0133	COIL	2	
L3003	VLQ0655M3R3	COIL 3.3U	1	
L3004-07	VLP0133	COIL	4	
L3700	VLP0133	COIL	1	
P3001	VJP3125B009	CONNECTOR (MALE)	1	K1KA09B00055
P3002	VJP3125B010	CONNECTOR (MALE)	1	K1KA10B00136
P3004	VJP1230T	CONNECTOR (MALE) 3P	1	
P3005	VJP3125B007	CONNECTOR (MALE)	1	
	VJP3125B007		1	K1K404B00113
P3006		CONNECTOR (MALE)	-	K1KA04B00113
P3007	K1NAG8A00003		1	
P3009	VJP3125D015	CONNECTOR (MALE)	_	K1KA15B00034
P3010	VJP3125B008	CONNECTOR (MALE)	1	
P3011,12	74190-0002	CONNECTOR	2	
P3017	VJS4087	CONNECTOR (FEMALE)	1	K1KB68A00005
P3018	VJP4150A020	CONNECTOR (MALE)	1	K1KA20A00146
P3101-03	VJP4301B148	CONNECTOR (MALE)	3	K1KAA0A00074
P3200	VJP3635A040	CONNECTOR (MALE)	_	K1KA40A00131
		. ,	t	
Q3701,02	2SB1114	TRANSISTOR	2	
_3.0.,02			f	
Panno	ED ISCEVOSS	M PESISTOP OH 4/40ML 220	-	
R3000	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3001	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3002,03	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R3004	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	1	
R3005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3006-10	ERJ6GEYG270	M.RESISTOR CH 1/10W 27	5	
R3012	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3015,16	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	2	
R3019-41	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	23	
R3043	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3044-55	ERJ6GEYG103	M.RESISTOR CH 1/10W 4.7K	12	
			-	
R3056	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3057	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3058	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3059	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	1	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3060	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3061-68	ERJ6GEYG681	M.RESISTOR CH 1/10W 680	8	
R3069,70	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R3071	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3073	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3074	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3075	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3076-84	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	9	
R3085	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
R3086	ERJ12YJ101H	M.RESISTOR CH 1/2W 100	1	
R3087	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3088	ERJ6GEYG152	M.RESISTOR CH 1/10W 1.5K	1	
			+	
R3089	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3094-98	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	5	
R3099	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3100-02	ERJ8GEYJ100	M.RESISTOR CH 1/8W 10	3	
R3103,04	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	2	
R3105-11	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	7	
R3113-16	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R3117	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3118-66	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	49	
R3167-75	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	9	
R3176	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3177-84	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	8	
R3186	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3187-45	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	59	
R3247	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3248	ERJ6ENF6652	M.RESISTOR CH 1/10W 66.5K	1	
R3249	ERJ6ENF2103	M.RESISTOR CH 1/10W 210K	1	
R3250,51	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
		M.RESISTOR CH 1/10W 330	1	
R3252	ERJ6GEYG331		+	
R3253	ERJ6ENF2103	M.RESISTOR CH 1/10W 210K	1	
R3254	ERJ6ENF3010	M.RESISTOR CH 1/10W 301	1	
R3255	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3256	ERJ6ENF6652	M.RESISTOR CH 1/10W 66.5K	1	
R3257-60	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	4	
R3261	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3262	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3263	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3264	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
			+	
R3265	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3266	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
R3267	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3269	ERJ6ENF5360	M.RESISTOR CH 1/10W 536	1	
R3270	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3272	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3273	ERJ6ENF6652	M.RESISTOR CH 1/10W 66.5K	1	
R3274	ERJ6ENF2103	M.RESISTOR CH 1/10W 210K	1	
R3275,76	ERJ6RED750	M.RESISTOR CH 1/10W 75	2	
			+	
R3277	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3278	ERJ6ENF2103	M.RESISTOR CH 1/10W 210K	1	
R3279	ERJ6ENF3010	M.RESISTOR CH 1/10W 301	1	
R3280	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3281	ERJ6ENF6652	M.RESISTOR CH 1/10W 66.5K	1	
R3282	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3283	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3284	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3285	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3286	ERJ6RED750	M.RESISTOR CH 1/10W 75	1	
R3287	ERJ6RBD102	M.RESISTOR CH 1/10W 1K	1	
			+	
R3288	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3290	ERJ6ENF5360	M.RESISTOR CH 1/10W 536	1	
R3291	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3293-96	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	4	
R3297	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3299-02	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	4	-
R3303,04	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3305	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3307	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
110001	_1000E10103	LOIGTON OIT I/ IUW TUR	+ '	
Doc : = :=	ED 100 E1/	M DEGIOTOR CO	-	
R3310-17	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	9	
R3319,20	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	2	
R3321	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3322-26	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	5	
	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	-
R3327	LINGUGE I G220			
R3327	LN30GL 1 G220			
R3327	ENJUGET G220			

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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3329	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	Romano
			+ :	
R3330-35	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	6	
R3336-39	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3341	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3344-51	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	8	
R3352-55	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3357			+ -	
R3359	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3360	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3361-64	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3366	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3369-76	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	8	
R3377-80	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
			+-	
R3382	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3384	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3385	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3386-89	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3391	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
D2204.04	ED ICCEVO270	M DECICTOR CLI 4/40W 2.7K		
R3394-01	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	8	
R3402-05	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3407	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3409	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3410	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3411-14	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3416	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
			+ -	
R3418	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3419-26	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	8	
R3427-30	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3432	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3434	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
R3435	ERJ6GEYG220	M.RESISTOR CH 1/10W 22	1	
R3436-39	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
			 	
R3441	ERJ6GEYG103	M.RESISTOR CH 1/10W 10K	1	
R3444-51	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	8	
R3452-55	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3457	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	1	
R3459	ERJ6GEYG272	M.RESISTOR CH 1/10W 2.7K	1	
			+ -	
R3460	ERJ6GEYG220		1	
R3461-64	ERJ6GEYG331	M.RESISTOR CH 1/10W 330	4	
R3500,01	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R3502	ERJ6GEYG101	M.RESISTOR CH 1/10W 100	1	
R3503	ERJ6GEYG223	M.RESISTOR CH 1/10W 22K	1	
R3504	ERJ6GEYG102	M.RESISTOR CH 1/10W 1K	1	
R3505,06	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	2	
R3507-26			₩-	
	ERJ6GEY0R00		20	
R3527,28	ERJ6GEYG102		2	i
R3529,30	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K		
R3702			2	
	ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K	1	
R3704	ERJ6GEYF472 ERJ6GEYF472		1	
		M.RESISTOR CH 1/10W 4.7K	1	
R3704 R3705	ERJ6GEYF472 ERJ6GEYG103	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K	1	
R3704 R3705 R3706	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K	1 1 1	
R3704 R3705 R3706 R3708,09	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0	1 1 1 1 2	
R3704 R3705 R3706 R3708,09 R3710	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K	1 1 1 1 2 1	
R3704 R3705 R3706 R3708,09 R3710	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820	1 1 1 1 2	
R3704 R3705 R3706 R3708,09 R3710	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K	1 1 1 1 2 1	
R3704 R3705 R3706 R3708,09 R3710	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820	1 1 1 1 2 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0	1 1 1 1 2 1 1 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0	1 1 1 2 1 1 1 2	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0	1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0	1 1 1 1 2 1 1 1 2 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3711 R3712 R3715,16 R3719 R3720 R3721	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 820	1 1 1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 820 SWITCH	1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3711 R3712 R3715,16 R3719 R3720 R3721	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 820	1 1 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 47K M.RESISTOR CH 1/16W 820 SWITCH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYG103 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ821 VSS0367-08B VSP1031	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 420 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 20 M.RESISTOR CH 1/10W 20 M.RESISTOR CH 1/16W 820 SWITCH SWITCH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3001	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B VSP1031	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 20 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/16W 820 SWITCH SWITCH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3001 TG3001-04	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B VSP1031 EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 1.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 SWITCH SWITCH SWITCH	11 11 11 12 11 11 11 11 11 11 11 11	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3001	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B VSP1031	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 20 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/16W 820 SWITCH SWITCH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002 SW3010 TG3001-04 TG3006	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ831 VSS0367-08B VSP1031 VSP1031 EYF6CU EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 820 SWITCH SWITCH TEST POINT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3001 TG3001-04	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 VSS0367-08B VSP1031 EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 1.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/16W 820 SWITCH SWITCH SWITCH	11 11 11 12 11 11 11 11 11 11 11 11	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002 SW3010 TG3001-04 TG3006	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ831 VSS0367-08B VSP1031 VSP1031 EYF6CU EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 820 SWITCH SWITCH TEST POINT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002 SW3010 TG3001-04 TG3006	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEY0R00 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEY0R00 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ83 ERJ3GEYJ831 VSS0367-08B VSP1031 VSP1031 EYF6CU EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 320 M.RESISTOR CH 1/10W 820 SWITCH SWITCH TEST POINT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002 SW3010 TG3001-04 TG3006	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEYD600 ERJ6GEYJ473 ERJ3GEYJ473 ERJ3GEYJ821 ERJ6GEY0R00 ERJ6GEY0R00 ERJ6GEY0R00 ERJ3GEYJ821 VSS0367-08B VSP1031 VSP1031 EYF6CU EYF6CU	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 0.7K M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/16W 4.7K M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 3.20 M.RESISTOR CH 1/	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328
R3704 R3705 R3706 R3708,09 R3710 R3711 R3712 R3715,16 R3719 R3720 R3721 SW3001 SW3002 SW3010 TG3001-04 TG3006 TP3001-08	ERJ6GEYF472 ERJ6GEYG103 ERJ6GEYF472 ERJ6GEYD600 ERJ3GEYJ473 ERJ6GEY0R00 EYF6CU EYF6CU EYF6CU H1A1605B0005	M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 10K M.RESISTOR CH 1/10W 4.7K M.RESISTOR CH 1/10W 2.7K M.RESISTOR CH 1/16W 47K M.RESISTOR CH 1/16W 820 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 0 M.RESISTOR CH 1/10W 2 M.RESISTOR CH 1/10W 1 M.RESISTOR CH 1/10W 2 M.RESISTOR CH 1/10W 3 M.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K0H1BA000328

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
X3003	H1A5315B0001	CRYSTAL OSCILLATOR	1	
X3005	H1A6005B0007	CRYSTAL OSCILLATOR	1	
■ E14	VEP61284B	POWER P.C.BOARD	1	(RTL)
0.00	========	0.010101000 1011 1011		
C1-C8	EEUFC1C101	C.CAPACITOR 16V 100U	8	
D4 D4	ED 1 1 5 00	DIODE	١.	DOLANTOROOM.
D1-D4	ERA15-08	DIODE	4	B0AAMT000001
104.00	DOGGDVGA	10		
IC1,C2	PQ30RV31	IC IC	2	
IC3	AN7908F	IC .	1	
IC4	AN7808F	IC	1	
ID4	V/ ID4000	EARTHLIC	_	
JP1	VJR1008	EARTH LUG	1	
D4 D0	D40D \#	CONNECTOR	_	
P1,P2	B12P-VL	CONNECTOR (MALE) 2B	2	KAKA 02 A 00000
P3,P4	VJP2824A003	CONNECTOR (MALE) 3P	+	K1KA03A00008
P5-P7	VJP4150A020	CONNECTOR (MALE)	+	K1KA20A00146
P8-11	VJP2824A004	CONNECTOR (MALE)	+	K1KA04A00005
P12	VJP1188T	CONNECTOR (MALE)	_	K1KA04A00218
P13	VJP2824A008	CONNECTOR (MALE)	1	K1KA08A00005
			1	
R1	ERDS2TJ332	C.RESISTOR 1/4W 3.3K	1	
R2	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R3	ERDS2T0	C.RESISTOR 1/4W 0	1	
R4	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R5	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
∱ TH1	VRT0152900	THERMISTOR	1	D4DZFR020001
TH2-H5	VRT0152600	THERMISTOR	4	
TH6	VRT0152900	THERMISTOR	+	D4DZFR020001
TH7,H8	VRT0152600	THERMISTOR	2	
TH9,10	VRT0152090	THERMISTOR	+	D4ZZ00000011
<u> 1</u> 1H11	VRT0152400	THERMITOR	1	D4ZZ00000004
■ E15	VEP80C05A	POWER CONNECT P.C.BOARD	1	(RTL)
P1,P2	VJS4033	CONNECTOR (FEMALE)	2	K1KB06B00023
			L	
			L	
				<u> </u>
	1		l	
■ E16	VEP61286A	AC MODULE P.C.BOARD	1	(RTL)
C1001-03	ECQU2A474ML	P.CAPACITOR 100V 0.47U	3	
<u>1</u> C1004-07	VCK0260M222A	C.CAPACITOR 2200P	4	F1BAH2220005
C1008-12	ECQU2A474ML	P.CAPACITOR 100V 0.47U	5	
C1013	EETHC2W471E	E.CAPACITOR 100V 0.47U	1	
∆ C1014	VCK0260M222A	C.CAPACITOR 2200P	+	F1BAH2220005
C1015	EETHC2W471	E.CAPACITOR 450V 470U	1	
D1001	ERZV10D511	ZNR	1	
	1		t	
	K5D312ZD0001	FUSE	1	
F1001		1	Ť	
F1001				
	N0AE1LL00001	AC-DC CONVERTER	1	
F1001	N0AE1LL00001	AC-DC CONVERTER	1	
IC1001				
IC1001 J1001	VWJ0121	CABLE	1 1 1	
IC1001			1	
J1001 J1001 J1005	VWJ0121 VWJ0121	CABLE CABLE	1	
IC1001 J1001	VWJ0121	CABLE	1	
J1001 J1005 JP1001,02	VWJ0121 VWJ0121 VJR1008	CABLE CABLE EARTH LUG	1 1 2	
J1001 J1005	VWJ0121 VWJ0121	CABLE CABLE	1	
J1001 J1005 JP1001,02	VWJ0121 VWJ0121 VJR1008	CABLE CABLE EARTH LUG	1 1 2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
LF1001,02	G0B302G00002	COIL	2	
P1001 P1002	B3P5S-VH VJP4033	CONNECTOR CONNECTOR (MALE)	1	K1KA06A00162
1 1002	V3F 4003	CONNECTOR (WALL)	i '	KTKA00A00102
⚠ PC1001	PS2561L1V1WL	TRANSISTOR	1	B3QAZ0000030
<u></u>	ERC12AGM334C	S.RESISTOR 1/2W 33K	2	
R1004	ERF5TK4R7	W.RESISTOR 5W 4.7	1	
R1005	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R1006	ERU5TCK5R1	F.RESISTOR 5W 5.1	1	
		MISCELLANEOUS		
			L	
	VMZ3106 VSC5180	VCP CAP DPA HEAT SINK	1	
À	VMZ0965	CAPACITOR COVER	3	
	XYN3+F12	SCREW	2	
	XSB4+8S	SCREW	2	
A	XWC4BFX VJS0039	WASHER FUSE HOLDER	2	K3GE1BA00007
			Ĺ	
■ E17	VEP61287A	DC MODULE P.C.BOARD	1	(RTL)
			1	
<u></u>	VCK0260M222A	C.CAPACITOR 2200P	1	F1BAH2220005
<u></u>	VCK0260M222A		-	F1BAH2220005
C1022	EEUFC1C122	E.CAPACITOR 16V 1200U	1	
C1024 C1025	EEUFC1C221 EEUFC1A222	E.CAPACITOR 16V 220U E.CAPACITOR 10V 2200P	1	
£ C1026,27	ECQU2A224MV	P.CAPACITOR 100V 0.22U	2	
C1030,31	EEUFC1C101	E.CAPACITOR 16V 100U	2	
C1032,33	EEUFC1C331	E.CAPACITOR 16V 330U	2	
D1002,03	SEL6415E	LED	2	
D1005-07	B0JBSD000015	DIODE	3	
D1008	MA165	DIODE	1	MA2C165001VT
D1010	SEL6415E	LED	1	
D1011 D1012	B0JAPG000016 MA165	DIODE	1	MA2C165001VT
D1013	B0JAPG000016	DIODE	1	
D1014,15	MA4062M	DIODE	2	MAZ40620M
IC1003	NORM1CK00001	DC-DC CONVERTER	1	
		DC-DC CONVERTER	1	
IC1005	ZUS251212	IC	1	
14000 04	VW 10404	CARLE	L	
J1002-04	VWJ0121	CABLE	3	
JP1003-05	VJR1008	EARTH LUG	3	
14002.04	VI 00354	COII	_	
L1003,04	VLQ0354	COIL	2	
LF1003,04	ELF18D290D	FILTER	2	
D1000	V ID4022	CONNECTOR (MALE)		V4VA06A00462
P1003 P1004	VJP4033 VJP1230T	CONNECTOR (MALE) CONNECTOR (MALE) 3P	1	K1KA06A00162
P1005	VJP1231T	CONNECTOR (MALE) 4P	1	
A BO/222 / :	DOOLON	TRANSISTOR	L	D0047000000
⚠ PC1003,04	PS2561L1V1WL	TRANSISTOR	2	B3QAZ0000030
Q1001,02	2SB1320A	TRANSISTOR	2	
OB4004.00	DTC144EA	TDANSISTOD DESISTOD	_	
QR1001,02	DTC144EA	TRANSISTOR-RESISTOR	2	
R1006,07	ER0S2CHF1001	M.RESISTOR 1/4W 1K	2	
R1008-10		M.RESISTOR 1/4W 33K	3	
R1011	ERG3SJ333	M.RESISTOR 3W 33K C.RESISTOR 1/4W 1K	1 3	
R1012-14 R1015,16	ERDS2TJ102 ERDS2TJ101	C.RESISTOR 1/4W 1K C.RESISTOR 1/4W 100	2	
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Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1017	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1019	ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R1022	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1023	ERDS2TJ100	C.RESISTOR 1/4W 10	1	
R1024	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1029	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R1030	ERDS2TJ101	C.RESISTOR 1/4W 100	1	
R1031	ERDS2TJ100	C.RESISTOR 1/4W 10	1	
			_	
R1032	ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1033	ERDS2TJ272	C.RESISTOR 1/4W 2.7K	1	
R1034	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
TH1001	VRT0152135	THERMISTOR	1	D4DZBR130001
			t	
VR1001	VRV0112B502	V.RESISTOR 5K	1	
			1	
VR1004	VRV0112B502	V.RESISTOR 5K	_	
VR1006	VRV0112B502	V.RESISTOR 5K	1	
				
		MISCELLANEOUS	1	
			l	
	VSC5181	DBS HEAT SINK	1	
	VMZ2919		3	
		BARRIER		
	VMZ0965	CAPACITOR COVER	2	
	XYN3+F8	SCREW	16	
	XYN3+F12	SCREW	3	
	XNG3BS	NUT	3	
	VEE0M85	CABLE	1	
	VEE0M86	CABLE	1	
			+ '	
	 		1	
	 		1	
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■ E18	VEP60671A	ALARM P.C.BOARD	1	(RTL)
	1			
	+		H	
D4000.07	VIDAGGAT	CONNECTOR (MALE) 45	Η,	
P1006,07	VJP1231T	CONNECTOR (MALE) 4P	2	
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